SAMSUNG

DIGITAL TELEVISION

Owner's Instructions

Before operating the unit,
please read this manual thoroughly,
and retain it for future reference.

ON-SCREEN MENUS
DIGITAL TERRESTRIAL RECEIVER
TELETEXT (depending on the model)

SRS TruSurround XT

Register your product at www.samsung.com/global/register

Important Warranty Information Regarding Television Format Viewing

Standard screen format televisions (4:3, the aspect ratio of the screen width to height) are primarily designed to view standard format full-motion video. The images displayed on them should primarily be in the standard 4:3 ratio format and constantly moving. Displaying stationary graphics and images on screen, such as the dark top and bottom letterbox bars (wide screen pictures), should be limited to no more than 15% of the total television viewing per week.

Wide screen format televisions (16:9, the aspect ratio of the screen width to height) are primarily designed to view wide screen format full-motion video. The images displayed on them should primarily be in the wide screen 16:9 ratio format, or expanded to fill the screen if your model offers this feature, and constantly moving. Displaying stationary graphics and images on screen, such as the dark side-bars on non-expanded standard format television video and programming, should be limited to no more than 15% of the total television viewing per week.

Additionally, viewing other stationary images and text such as stock market reports, video game displays, station logos, web sites or computer graphics and patterns, should be limited as described above for all televisions. Displaying any stationary images that exceed the above guidelines can cause uneven aging of picture tubes (CRTs) that leave subtle, but permanent burned-in ghost images in the television picture. To avoid this, vary the programming and images, and primarily display full screen moving images, not stationary patterns or dark bars. On television models that offer picture sizing features, use these controls to view the different formats as a full screen picture.
Be careful in the selection and duration of television formats used for viewing. Uneven CRT aging as a result of format selection and use, as well as other burned-in images, is not covered by your Samsung limited warranty.

Contents

General Information

- Accessories 4
- Control Panel 4
- Connection Panel (depending on the model) 5
- Viewing the Remote Control (depending on the model) .. 7
- Installing Batteries in the Remote Control 8

Operation

- Switching Your Television On and Off 8
- Placing the Television in Standby Mode 8
- Plug & Play Feature (depending on the model) 9
- Viewing an External Signal Source (depending on the model) 10
- Editing Device Names (depending on the model) 10

Using the DTV Feature

- Previewing the DTV Menu System 11
- Choosing Your Language 12
- Adjusting the Translucency Level 12
- Updating the Channel List Automatically 13
- Updating the Channel List Manually 13
- Editing Your Favourite Channels 14
- Setting up the Parental Lock 15
- Viewing EPG (Electronic Programme Guide) Information 16
- Using the Scheduled List 17
- Setting the Default Guide 17
- Viewing All Channels and Favourite Channels 18
- Viewing Channel Manager 19
- Displaying Programme Information 19
- Using the Preferences 20
- Viewing Product Information 20
- Checking the Signal Information 21
- Upgrading the Software (depending on the model) 21
- Viewing Common Interface 22
- Selecting the CI Menu 22
- Resetting 23

Channel Control

- Storing Channels Automatically 24
- Storing Channels Manually 25
- Skipping Unwanted Channels 26
- Sorting the Stored Channels 26
- Assigning Names to Channels 27
- Fine Tuning Channel Reception 27
- Using the LNA (Low Noise Amplifier) Feature (depending on the model) 28

Picture Control

- Changing the Picture Standard 28
- Adjusting the Picture Settings 29
- Selecting the Picture Size (depending on the model) 30
- Setting the Digital Noise Reduction 30
- Using the Tilt Control Feature (depending on the model) 31
- Selecting the Film Mode 31
- Freezing the Current Picture 31

Sound Control

- Changing the Sound Standard 32
- Adjusting the Sound Settings (depending on the model) 32
- Extra Sound Settings (depending on the model) 33
- Selecting the Sound Mode (depending on the model) ... 34

Function Description

- Setting the Time 35
- Choosing Your Language 37
- Setting the Blue Screen 37
- Selecting the Melody 37
- Teletext Feature (depending on the model) 38

Appendix

- Automatic Degaussing to Remove Colour Patches 40
- Troubleshooting: Before Contacting Service Personnel 40

Symbols

Press

Important

Note

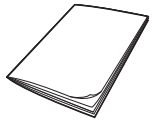
General Information

Accessories

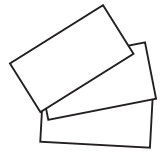
Please make sure the following items are included with your TV.
If any items are missing, contact your dealer.

➢ The items colour and shape may vary depending on the model.

Remote Control & Batteries (AAA x 2)



Owner's Instructions

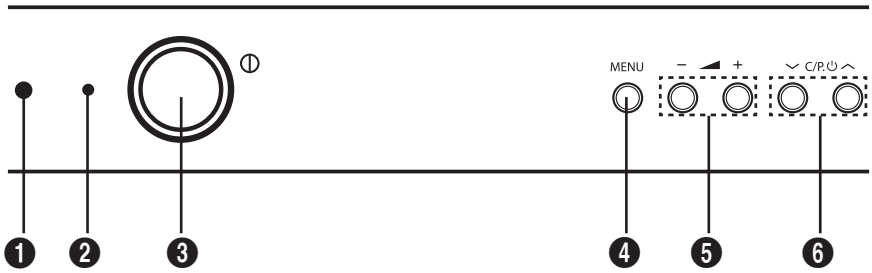


Warranty Card / Registration Card / Safety Guide Manual

Control Panel

➢ The product colour and shape may vary depending on the model.

Front of the TV



❶ **Remote control sensor**
Aim the remote control towards this spot on the TV.

❷ **Standby indicator**
Blinks and turns off when the power is on and lights up in stand-by mode.

❸ **Power On/Off**
Press to turn the TV on and off.
If the TV was turned off by using the POWER button on the front panel, you will not be able to turn on the TV by using a remote control.

❹ **MENU**
Press to see an on-screen menu of your TV's features.

➢ Press the **MENU** button in DTV mode to display the DTV menu.
The analog menu appears when you press the **MENU** button again.
To dismiss the menu, press the **MENU** button once again.

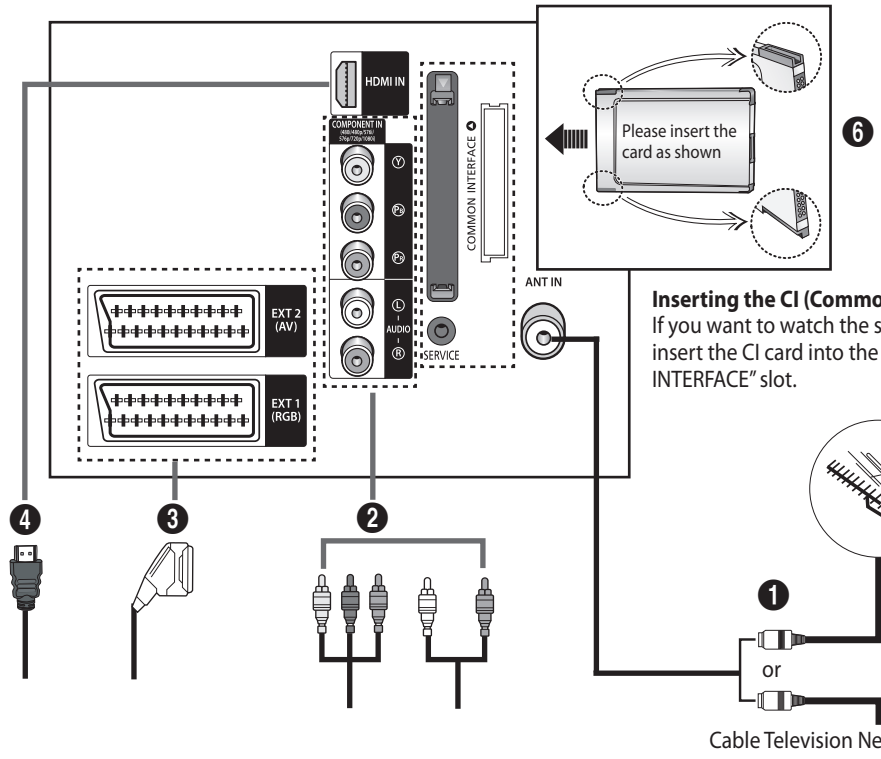
❺ **- +**
Press to decrease or increase the volume.
In the on-screen menu, use the **- +** buttons as you use the ◄ and ► buttons on the remote control.

❻ **C/P.**
Press to change channels.
In the on-screen menu, use the C/P. buttons as you use the ▲ and ▼ buttons on the remote control.

Connection Panel (depending on the model)

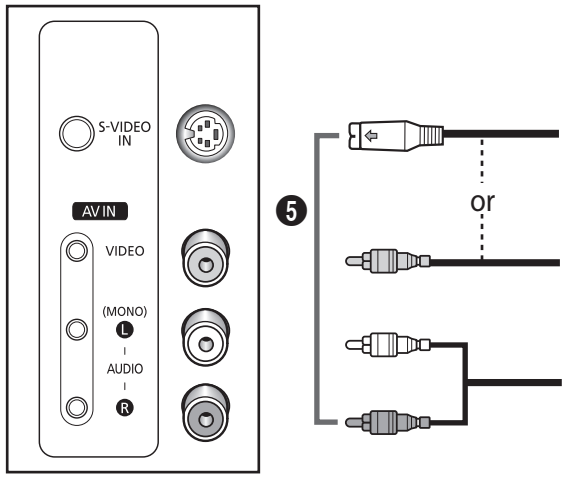
The product colour and shape may vary depending on the model.
Whenever you connect an audio or video system to your television, ensure that all elements are switched off.
Refer to the documentation supplied with your equipment for detailed connection instructions and associated safety precautions. Please be sure to match the color coded input terminals and cable jacks.

Rear of the TV



Inserting the CI (Common Interface) card
If you want to watch the scrambled channel, insert the CI card into the "COMMON INTERFACE" slot.

Side of the TV



❶ Connecting to an Aerial or Cable Television Network

Connect the aerial or network input cable to the 75 Ω coaxial socket.

To view television channels correctly, a signal must be received by the set from one of the sources: an outdoor aerial, cable television network, or satellite network. If you are using an indoor aerial, you may need to adjust it when tuning your television until you obtain a picture that is both sharp and clear.

❷ Connecting to the COMPONENT Input

- Connect component video cables to component connector (**Y**, **P_B**, **P_R**) on the rear of your television and the other ends to corresponding component video out connectors on the DTV receiver or DVD player.
- The Y, P_B and P_R connectors on your component devices (DTV receiver or DVD player) are sometimes labeled Y, B-Y and R-Y or Y, Cb and Cr.
- Connect RCA audio cables to **AUDIO (L/R) IN** on the rear of your television and the other ends to corresponding audio out connectors on the DTV receiver or DVD player.

❸ Connecting to the SCART Input/Output

Connect SCART cable to an appropriate external A/V device such as a VCR, DVD player, decoder, satellite receiver, video game device, or video disc player.

- The EXT1 (RGB) connector is used for equipment with an RGB output, such as a video game device or video disc player.
- The EXT2 (AV) connector is used for the audio/video output of current television programme.

Input/Output Specification

Connector	Input				Output	
	Video	Audio(L/R)	S-Video	RGB	Video	Audio(L/R)
EXT 1	O	O	X	O	O	O
EXT 2	O	O	X	X	O	O

❹ Connecting to the HDMI

- Supports connections between HDMI-connection-enabled AV devices (Set-Top Boxes, DVD players, AV receivers and digital TVs).
- No additional Audio connection is needed for an HDMI to HDMI connection.

What is HDMI?

- "High Definition Multimedia interface" allows the transmission of high definition digital video data and multiple channels of digital audio (5.1 channels).
  The HDMI/DVI terminal supports DVI connection to an extended device with the appropriate cable (not supplied). The difference between HDMI and DVI is that the HDMI device is smaller in size, has the HDCP (High Bandwidth Digital Copy Protection) coding feature installed, and supports multi - channel digital audio.
- You should use the DVI-to-HDMI cable or DVI-HDMI Adapter for the connection, and the AUDIO (L/R) connector on DVI for sound output.
  When connecting this product via HDMI or DVI to a Set Top Box, DVD Player or Games Console etc, make sure that it has been set to a compatible video output mode as shown in the table below. Failure to observe this may result in picture distortion, image breakup or no picture.

Supported modes for DVI or HDMI Component

	480i	480p	576i	576p	720p	1080i-50Hz	1080i-60Hz
HDMI-50Hz	X	X	X	O	O	O	X
HDMI-60Hz	X	O	X	X	O	X	O
Component	O	O	O	O	O	O	O

Do not attempt to connect the HDMI connector to a PC or Laptop Graphics Card.
(This will result in a blank screen being displayed)

❺ Connecting to the RCA/S-VIDEO Input

- Connect RCA video or S-Video cable to **VIDEO IN** or **S-VIDEO IN** on the rear of your television and the other ends to corresponding video or S-Video out connectors on the A/V device.
- Connect RCA audio cables to **AUDIO (L/R) IN** on the rear of your television and the other ends to corresponding audio out connectors on the A/V device.

❻ COMMON INTERFACE

PCMCIA Slot supports the DVB Common Interface (DVB-CI) standard. This connection is provided for future expansion of your Samsung DTV set allowing the installation of DVB-CI compatible peripherals, for example a DVB-CI module to support pay TV services. The availability of DVB-CI peripherals varies country by country. Please contact your retailer for information about the availability of DVB-CI peripherals in your region.

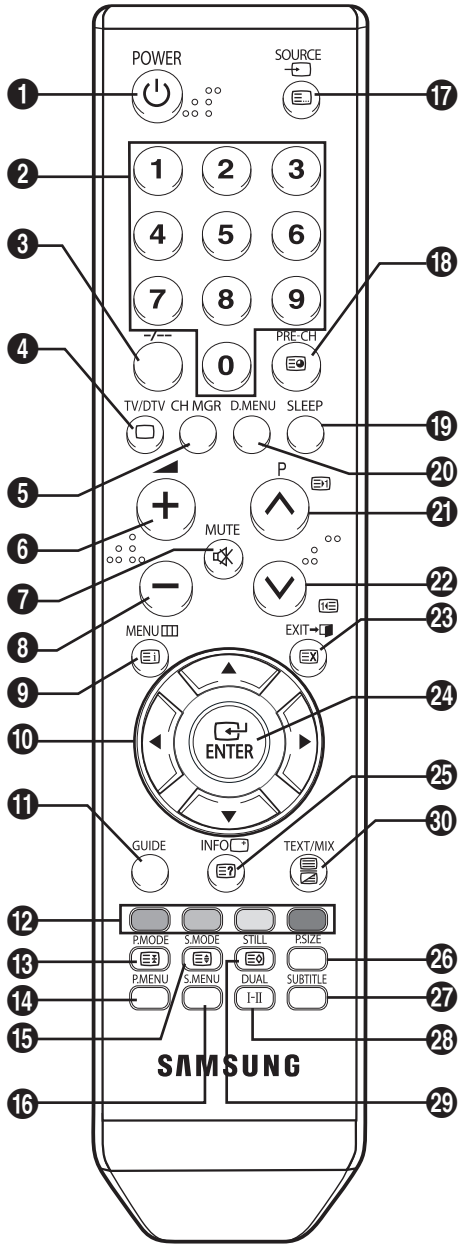
Viewing the Remote Control (depending on the model)

- The actual configuration on your TV may be different, depending on the model.
- Operation of remote control may be affected by bright artificial light near to the TV set.
- This is a special remote control for the visually impaired, and has Braille points on the Power, Channel and Volume buttons.

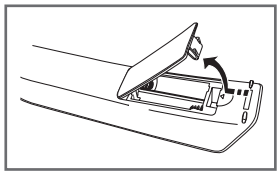
❶ Television stand-by
❷ Direct channel selection
❸ One/Two-digit channel selection
❹ Switch between TV and DTV mode selection
❺ Channel control
❻ Volume increase
❼ Temporary sound switch-off
❽ Volume decrease
❾ Menu display
❿ Move to the required menu option / Adjust an option value respectively
⓫ Electronic Program Guide (EPG) display
⓬ EPG Display/ favourite channel edition
⓭ Picture effect selection
⓮ Picture menu display
⓯ Sound effect selection
⓰ Sound menu display
⓱ External input selection
⓲ Switch repeatedly between the last two channels displayed
⓳ Automatic switch-off
⓴ DTV Menu Display
㉑ Next channel
㉒ Previous channel
㉓ Exit from any display
㉔ Change confirmation
㉕ Information display
㉖ Picture size selection
㉗ Digital subtitle display
㉘ Sound mode selection
㉙ Still picture

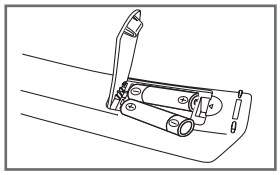
Teletext Functions
(Refer to page 36)

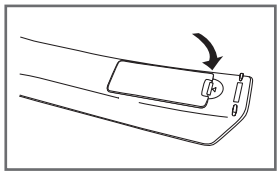
❹ Exit from the teletext display
❾ Teletext index
⓭ Teletext page hold
⓯ Teletext size selection
⓱ Teletext mode selection (LIST/ FLOF)
⓲ Teletext sub-page
㉑ Teletext next page
㉒ Teletext previous page
㉓ Teletext cancel
㉕ Teletext reveal
㉙ Teletext store
㉚ Teletext display / Mix both Pressing TEXT/MIX selects Teletext, Double, or Mix mode in sequence.
⓬ Fastext topic selection



Installing Batteries in the Remote Control







1 Lift the cover at the back of the remote control upward as shown in the figure.

2 Install two AAA size batteries.
➢ Make sure to match the "+" and "–" ends of the batteries with the diagram inside the compartment.

3 Close the cover as shown in the figure.
➢ Remove the batteries and store them in a cool, dry place if you won't be using the remote control for a long time. The remote control can be used up to about 23 feet (7m) from the TV. (Assuming typical TV usage, the batteries last for about one year.)

➢ **If the remote control doesn't work! Check the following:**
1. Is the TV power on?
2. Are the plus and minus ends of the batteries reversed?
3. Are the batteries drained?
4. Is there a power cut, or is the power cord unplugged?
5. Is there a special fluorescent light or a neon sign nearby?

Operation

Switching Your Television On and Off

The mains lead is attached to the rear of the television.

1 Plug the mains lead into an appropriate socket.
➢ The main voltage is indicated on the rear of the television and the frequency is 50 or 60Hz.

2 Press the "⏻" button (On/Off) on the front of the television.
The standby indicator on the front of the television lights up.

3 Press the **POWER** button on the remote control to switch the television on.
The programme that you were watching last is re-selected automatically.
➢ If you have not yet stored any channels, no clear picture appears.
Refer to "Storing Channels Automatically" on page 24 or "Storing Channels Manually" on page 25.

4 To switch your television off, press the "⏻" button (On/Off) again.

Placing the Television in Standby Mode

The television can be placed in standby mode, in order to reduce power consumption and wear of the cathode ray tube. Standby mode can be useful when you wish to interrupt viewing temporarily (during a meal, for example).

1 Press the **POWER** button on the remote control while viewing.
The television is in standby mode.

2 To switch the television back on, simply press it again.
➢ You can also switch on by pressing the **TV/DTV** (▭), **P** ⌃/⌄, or numeric button.

☛ Do not leave your television in standby mode for long periods of time. Turn your television off by pressing the "⏻" button (On/Off) on the front of the television. It is best to unplug the set from the mains and aerial.

Plug & Play Feature (depending on the model)

When the television is initially powered on, three basic customer settings proceed automatically and subsequently: setting the language, channel and clock.

1 If the television is in Standby mode, press the **POWER** button on the remote control.
The message **Start Plug & Play** is displayed.

2 The **Language** menu will automatically appear after several seconds.

3 Select the appropriate language by pressing the ▲ or ▼ button.
Press the **ENTER** (↵) button to enter the language.
The message **Check antenna input.** is displayed.
➢ If any language is not selected on the **Language** menu, the **Language** menu will disappear about 30 seconds later.

4 Make sure that the antenna is connected to the TV.
Press the **ENTER** (↵) button.
The **Auto Store** menu is displayed.

5 Select your country by pressing the ▲ or ▼ button, then press the **ENTER** (↵) button.
The **Search** menu is displayed.

6 Press the **ENTER** (↵) button to start search the channels.
The channel search will start and end automatically. After all the available channels are stored, the **Clock Set** menu appears.
➢ Refer to "Storing Channels Automatically" on page 24.

7 Press the ◄ or ► button to move to the hour or minute.
Set the hour or minute by pressing the ▲ or ▼ button.
➢ ◆ Refer to "Setting and Displaying the Current Time" on page 35.
◆ You can set the hour and minute directly by pressing the numeric buttons on the remote control.

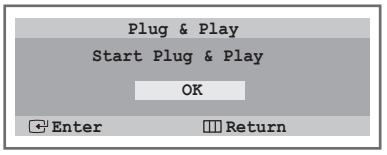
8 When you have finished, press the **MENU** (▥) button.
The menu is turned to **Auto Store** in DTV mode automatically.

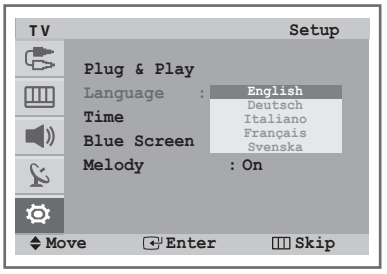
If you want to reset this feature...

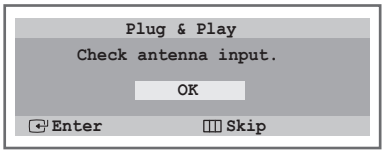
1 Press the **MENU** (▥) button to display the menu.

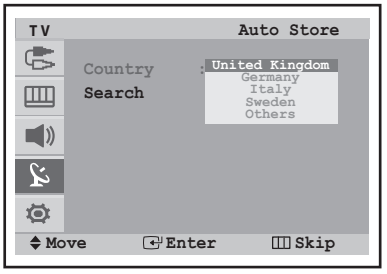
2 Press the ▲ or ▼ button to select **Setup**, and then press the **ENTER** (↵) button.
The **Plug & Play** is selected.

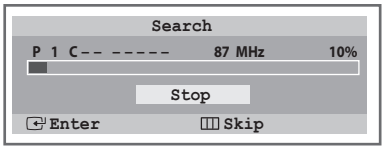
3 Press the **ENTER** (↵) button again.
This feature starts with the message **Start Plug & Play** displayed.

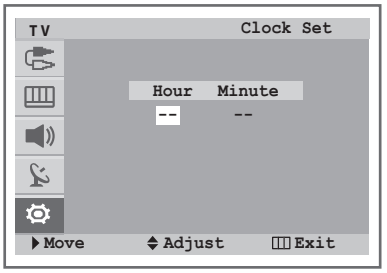




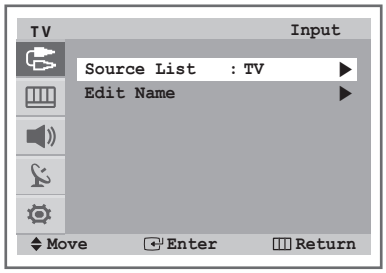


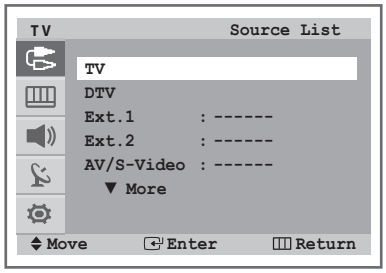


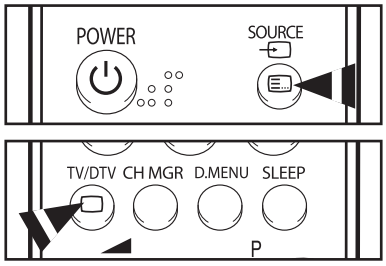




Viewing an External Signal Source (depending on the model)







Use the remote control to switch between viewing signal from connected equipment, such as VCR, DVD, Set-Top-boxes and the TV source (air or cable).

1 Press the **MENU** (▥) button to display the menu.

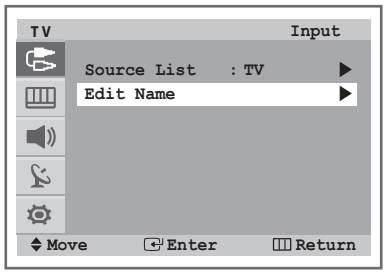
2 Press the **ENTER** (↵) button to select **Input**.

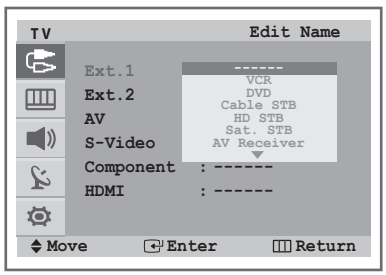
3 Press the **ENTER** (↵) button again.

4 Press the ▲ or ▼ button to select the required signal source, then press the **ENTER** (↵) button.
Available signal source: **TV**, **DTV**, **Ext. 1**, **Ext. 2**, **AV/S-Video**, **Component**, **HDMI**

➢
- When you connect equipment to the TV, you can choose between the following sets of jacks: **Ext. 1**, **Ext. 2**, **Component**, or **HDMI** on the TV's rear panel, and **AV**/**S-Video** on the TV's side panel.
- You can select these options simply by pressing the **SOURCE** (⇥) button on the remote control.
- To watch television programme again, press the **TV/DTV** (▭) button and select the channel number required.

Editing Device Names (depending on the model)





You can give a name to the external source.

1 Press the **MENU** (▥) button to display the menu.

2 Press the **ENTER** (↵) button to select **Input**.

3 Press the ▲ or ▼ button to select **Edit Name**, then press the **ENTER** (↵) button.

4 Press the ▲ or ▼ button to select the external source to be edited, then press the **ENTER** (↵) button.

5 Select the required device's name by pressing the ▲ or ▼ button, then press the **ENTER** (↵) button.
Available device names: **VCR**, **DVD**, **Cable STB**, **HD STB**, **Sat. STB**, **AV Receiver**, **DVD Receiver**, **Game**, **Camcorder**, **DVD Combo**, **DHR** (DVD HDD Recorder), or **PC**.

6 Press the **EXIT** (⇥▯) button to exit.

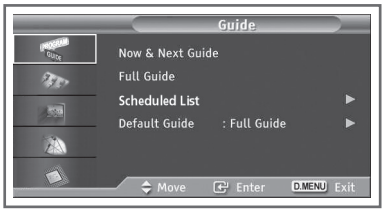
Using the DTV Feature

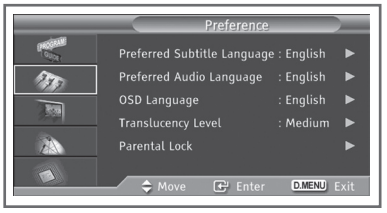
Previewing the DTV Menu System

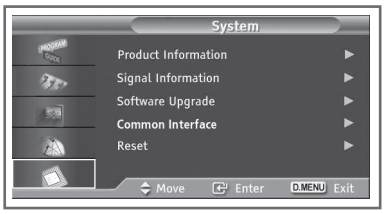
➢
- Available in DTV mode.
- Preset to the DTV mode by using the TV/DTV (▭) button.

To help you navigate around the on-screen menu system and adjust the various settings available, refer to the following illustration.

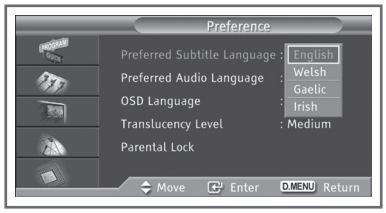
- Press the **D.MENU** button.
- **Guide**
  - **Now & Next Guide**
  - **Full Guide**
  - **Scheduled List**
  - **Default Guide** → **Now/Next**, **Full Guide**
- **Preference**
  - **Preferred Subtitle Language** → **English**, **Welsh**, **Gaelic**, **Irish**
  - **Preferred Audio Language** → **English**, **Welsh**, **Gaelic**, **Irish**
  - **OSD Language** → **English**, **Deutsch**, **Français**, **Italiano**, **Svenska**
  - **Translucency Level** → **High**, **Medium**, **Low**, **Opaque**
  - **Parental Lock** → **Parental Rating**, **Change PIN**
- **Feature**
  - **Subtitle** → **Off**, **On**
  - **Subtitle Language**
  - **Audio Language** → **English**
  - **Digital Text** → **Disable**, **Enable**
- **Channel**
  - **Auto Store**
  - **Manual Store** → **Channel**, **Frequency**, **Bandwidth**
  - **Edit Favourite Channels**
  - **Channel Manager**
- **System**
  - **Product Information**
  - **Signal Information**
  - **Software Upgrade**
  - **Common Interface** → **Application Info.**, **CI Menu**
  - **Reset**

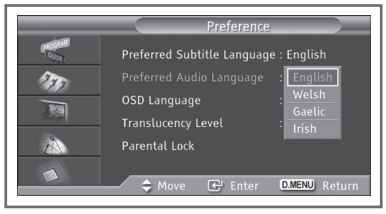


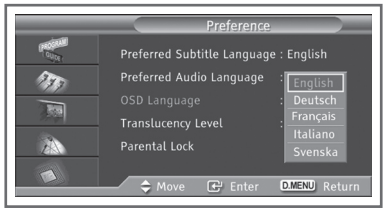




Choosing Your Language







When you start using your television for the first time, you must select the language which will be used for displaying menus and indications.

1 Press the **D.MENU** button to display the DTV menu.

2 Press the ▲ or ▼ button to select **Preference**, then press the **ENTER** ( ) button.

3 Press the **ENTER** ( ) button to select **Preferred Subtitle Language**.

4 Select the appropriate language by pressing the ▲ or ▼ button, then press the **ENTER** ( ) button.

5 Press the ▲ or ▼ button to select **Preferred Audio Language**, then press the **ENTER** ( ) button.

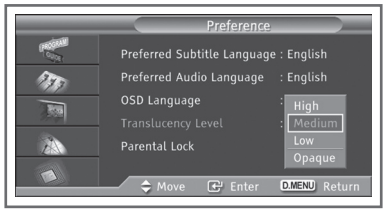
6 Select the appropriate language by pressing the ▲ or ▼ button, then press the **ENTER** ( ) button.

7 Press the ▲ or ▼ button to select **OSD Language**, then press the **ENTER** ( ) button.

8 Select the appropriate language by pressing the ▲ or ▼ button, then press the **ENTER** ( ) button.

9 Press the **EXIT** ( ) button to exit.

Adjusting the Translucency Level



You can set the translucency of the on-screen menu.

1 Press the **D.MENU** button to display the DTV menu.

2 Press the ▲ or ▼ button to select **Preference**, then press the **ENTER** ( ) button.

3 Press the ▲ or ▼ button to select **Translucency Level**, then press the **ENTER** ( ) button.

4 Press the ▲ or ▼ button to select the required option, then press the **ENTER** ( ) button.
Available options: **High** - **Medium** - **Low** - **Opaque**

5 Press the **EXIT** ( ) button to exit.

Updating the Channel List Automatically

You can update the channel list when the broadcaster adds new services or if you move the TV to a new location.

1 Press the **D.MENU** button to display the DTV menu.

2 Press the ▲ or ▼ button to select **Channel**, then press the **ENTER** (↵) button.

3 Press the **ENTER** (↵) button again to start the search.
When it has finished, the number of scanned services will be displayed.

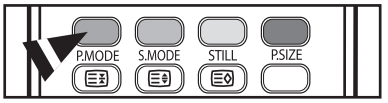
➢ ◆ The existing favourite channel list will be deleted when the channel list is updated.

◆ To stop the scan before it has finished, press the **ENTER** (↵) or **D.MENU** button.

➢ If the signal status is poor, the **No service found! Check the aerial connection.** message is displayed.

Updating the Channel List Manually

You can specify the channel or frequency for a fast channel search.



1 Press the **D.MENU** button to display the DTV menu.

2 Press the ▲ or ▼ button to select **Channel**, then press the **ENTER** (↵) button.

3 Press the ▲ or ▼ button to select **Manual Store**, then press the **ENTER** (↵) button.

4 Select the required option by pressing the ◄ or ► button, then press the ▲ or ▼ or numeric button.

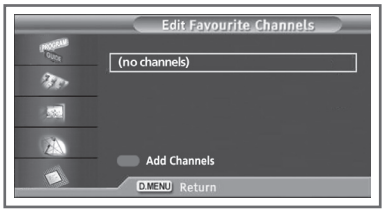
5 Press the red button to start the scan for digital services.
When it has finished, channels are updated in the channel list.

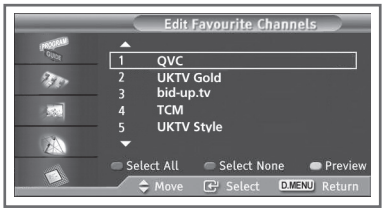
◆ **Channel**
Press the ▲, ▼ or numeric buttons (0~9) to select a channel.
The available channels are 21~68.
The corresponding frequency for the selected channel is automatically set.

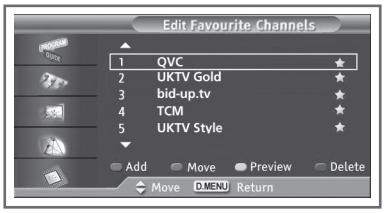
◆ **Frequency**
You can specify the frequency (KHz) using the numeric buttons (0~9). If you do not know the exact frequency, follow the above step to select the frequency automatically using channel.

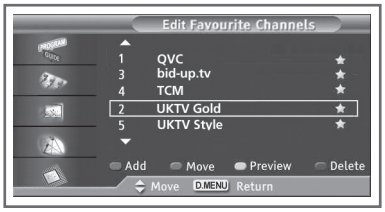
◆ **Bandwidth**
Press the ▲ or ▼ button to select a bandwidth.
The available bandwidths are 7 and 8 MHz.

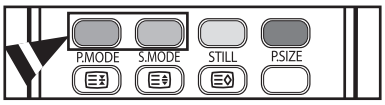
Editing Your Favourite Channels











You can edit your favourite channels using the colour buttons.

1 Press the **D.MENU** button to display the DTV menu.

2 Press the ▲ or ▼ button to select **Channel**, then press the **ENTER** (↵) button.

3 Press the ▲ or ▼ button to select **Edit Favourite Channels**, then press the **ENTER** (↵) button.

4 Press the red button to display all currently stored channels.

5 Press the ▲ or ▼ button to select a channel you want, then press the **ENTER** (↵) button.
A "★" icon is shown next to the selected channel and the channel will be added to the favourites list.

➢
- To undo, press the **ENTER** (↵) button.
- **Select All** : Select all channels currently displayed.
- **Select None** : Deselect all selected channels.
- **Preview** : Displays (a) currently selected channel(s).

➢ The Favourite Channels settings have been completed.

Add

You can use this function when one or more favourite channels have been selected.

1 Press the **D.MENU** button to display the DTV menu.

2 Press the ▲ or ▼ button to select **Channel**, then press the **ENTER** (↵) button.

3 Press the ▲ or ▼ button to select **Edit Favourite Channels**, then press the **ENTER** (↵) button.

4 Press the red button in the **Edit Favourite Channels** menu. To add more channels, refer to the step **5** above.

➢
- To add all channels to the favourites channel list, press the red button.
- To remove all channels, press the green button.
- Added channels in the favorites channel list are saved in Channel Manager.

Move

1 Press the **D.MENU** button to display the DTV menu.

2 Press the ▲ or ▼ button to select **Channel**, then press the **ENTER** (↵) button.

3 Press the ▲ or ▼ button to select **Edit Favourite Channels**, then press the **ENTER** (↵) button.

4 Press the ▲ or ▼ button to select the required channel, then press the green button.
A " ◆ " icon is displayed on the left side of the channel name.

5 Press the ▲ or ▼ button to select the channel that you want to move, then press the green or **ENTER** (↵) button.
The channel is moved to its new position.

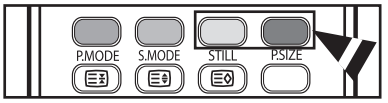
continued...

Preview

1 In the **Edit Favourite Channels** menu, select the channel to be previewed by pressing the ▲ or ▼ button.

2 Press the yellow button.
Displays currently selected channel.

Delete



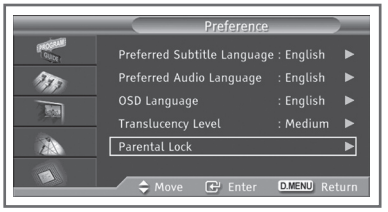
1 In the **Edit Favourite Channels** menu, select the channel to be deleted from the favourite channels list by pressing the ▲ or ▼ button.

2 Press the blue button.
The selected channel and number will be deleted.
➢ To add a deleted channel back into the favourite channel list, see "Add" on page 14.

3 Press the **EXIT** ( ) button to exit.

Setting up the Parental Lock

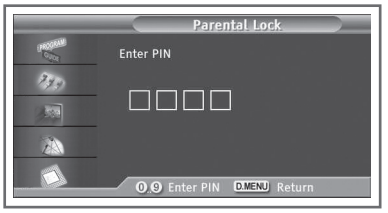
This feature allows you to prevent unauthorized users, such as children, from watching unsuitable programmes by a 4-digit PIN (Personal Identification Number) code that is defined by the user. The on-screen menu will instruct you to assign a PIN code (you can change it later, if necessary).



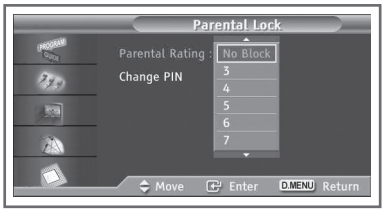
1 Press the **D.MENU** button to display the DTV menu.

2 Press the ▲ or ▼ button to select **Preference**, then press the **ENTER** ( ) button.

3 Press the ▲ or ▼ button to select **Parental Lock**, then press the **ENTER** ( ) button.



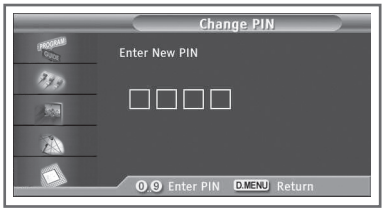
4 Enter your current 4-digit PIN code by using the numeric buttons (0~9).
The options available in the **Parental Lock** group are displayed with the **Parental Rating** selected.
➢ ◆ The default PIN code for a new TV set is **0000**.
◆ If you enter a invalid PIN code, the **Invalid PIN code. Please try again.** message is displayed.



5 Press the **ENTER** ( ) button.

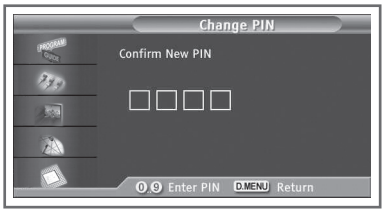
6 Press the ▲ or ▼ button to select the age of 3~18 rating you want to lock out. Press the **ENTER** ( ) button.
➢ If you set the rating to lower than the parental control level of the channel, the channel will be locked.

7 If you want to change the PIN code, select **Change PIN** by pressing the ▲ or ▼ button. Press the **ENTER** ( ) button.



8 Enter your new PIN code by using the numeric buttons (0~9).

9 Re-enter your new PIN code to confirm by using the numeric buttons (0~9).
Press the **ENTER** ( ) button.
The **Your PIN code has been changed successfully.** message is displayed.



10 Press the **EXIT** ( ) button to exit.

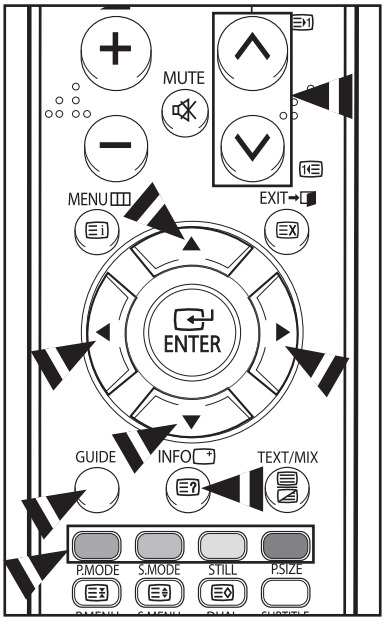
➢ If you forget the PIN code, press the remote control buttons in the following sequence, which resets the PIN to **0-0-0-0** : **POWER** (Off), **MUTE**, **8**, **2**, **4**, **POWER** (On)

Viewing EPG (Electronic Programme Guide) Information

Now & Next Guide
18:04 Fri 5 Aug
The Weakest Link
INFO Information
Now Next
1 BBC ONE BBC News BBC London News
2 BBC TWO The Weakest Link Dear Television
7 BBC THREE This Is BBC THREE Welcome to BBC THREE
30 CBBC Chan.. Blue Peter The Queen's Nose
40 BBC NEWS.. BBC News Sportsday
51 BBCi BBCi BBCi
Watch Full Guide Favourites Exit

Full Guide
18:04 Fri 5 Aug
Departure Lounge
INFO Information
Today 19:00 20:00
1 BBC ONE Departure Lounge EastEnders The Mum..
2 BBC TWO Tsunami P.. The Curiou.. Gardeners' World Speci..
7 BBC THREE The 7 O'Cl.. Spendaholics Little Ang..
30 CBBC Chan.. This is CBBC!
40 BBC NEWS.. BBC News BBC News
51 BBCi BBCi
On Now/Next Favourites -2Hours +2Hours Exit

Now & Next Guide
18:06 Fri 5 Aug
Dear Television
2 BBC TWO Scheduled
18:45~19:00
No Block
Strange and wonderful letters cataloguing the pre-occupations and passions of television viewers over the last five decades. [S]
Remind Return
Off Full Guide Favourites Exit



The EPG (Electronic Programme Guide) information is provided by the broadcasters. Programme entries may appear blank or out of date as result of the information broadcast on a given channel. The display will dynamically update as soon as new information becomes available.

- **Now & Next Guide**
  For the six channels indicated in the left-hand column, displays the Current programme and the Next programme information.
- **Full Guide**
  Displays the programme information as time ordered one hour segments. Two hours of programme information is displayed which may be scrolled forwards or backwards in time.

1 Press the **D.MENU** button to display the DTV menu, then press the **ENTER** (↵) button.

2 Press the ▲ or ▼ button to select **Now & Next Guide** or **Full Guide**, then press the **ENTER** (↵) button.

➢ You can also display the guide menu simply by pressing the **GUIDE** button.

Watch a programme in the EPG list

3 Select a programme by pressing the ▲, ▼, ◄, or ► button, then press the **ENTER** (↵) button.

➢ If the next programme is selected, it is scheduled with the clock icon displayed. If the **ENTER** (↵) button is pressed again, the scheduling is canceled with the clock icon gone. For details about scheduling programmes, refer to the next page.

- Toggle between the **Now & Next Guide** or **Full Guide**:
  Press the red button repeatedly.
- Display the **Favourites** and the **All Channels** list:
  Press the green button repeatedly.
- -2 Hours: Press the yellow button.
- +2 Hours: Press the blue button.

View programme information

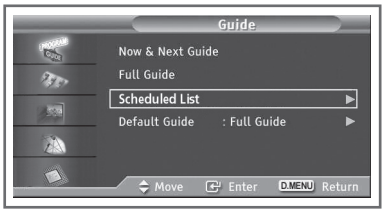
4 Select a programme of your choice by pressing the ▲, ▼, ◄, or ► button.
Press the **INFO** (□) button when the programme of your choice is highlighted.

5 Press the **EXIT** (→▯) button to exit.

➢
- Information such as the channel number, programme title and running time, status bar, and brief summary of the highlighted programme will be displayed in the top right corner of the screen. If there is a lengthy summary, "…" will be displayed. Press the **INFO** (□) button for the full summary text.
- Six channels are displayed. To scroll between channels, move to a channel using the ▲ or ▼ button. To display page by page, use the P ⌃ or P ⌄ button.

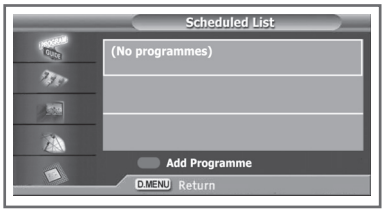
Using the Scheduled List

If you make a scheduled viewing list of programmes you may like to see, the channel will be automatically switched to the scheduled programme at the scheduled time even if you are watching another programme.



1 Press the **D.MENU** button to display the DTV menu, then press the **ENTER** (↵) button.

2 Press the ▲ or ▼ button to select **Scheduled List**, then press the **ENTER** (↵) button.



3 Press the red button to add a new programme.
The menu for adding a programme is displayed with **Channel** selected.

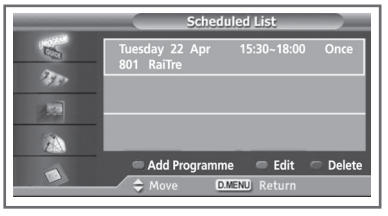
4 Press the ▲ or ▼ button to select the required channel, then press the **ENTER** (↵) button.

5 Enter the start and stop time of the programme by pressing the ▲, ▼, or numeric button. Press the ◄ or ► button to move to the previous or next cell. When you have finished, press the **ENTER** (↵) button.

6 Press the ▲ or ▼ button to select the required data, then press the **ENTER** (↵) button.

7 Press the ▲ or ▼ button to select the required frequency (**Once**, **Weekly**, or **Daily**), then press the **ENTER** (↵) button.

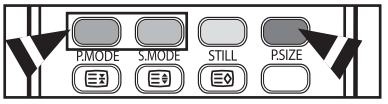
8 When you are satisfied with your settings, save the adjusted schedule by pressing the red button.



9 If you want to edit the scheduled programme, select a programme by pressing the ▲ or ▼ button. Press the green button. If necessary, select the programme to be deleted by pressing the ▲ or ▼ button. Press the blue button.

10 Repeat step **3** to **8** for other programme to be added to the scheduled list.

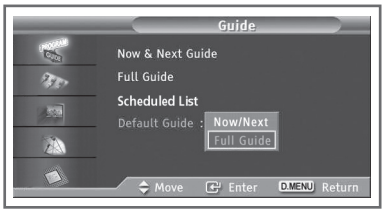
11 Press the **EXIT** (→▯) button to exit.



➢
- ◆ When watching analog TV, the reserved DTV channel cannot be changed. The channel is only changed automatically to the reserved channel when you are watching DTV.
- ◆ The more simple and easy way for scheduling programmes, refer to the step 3 on page 16.
- ◆ Scheduling programme only functions with the television already turned on, and not from standby mode. For details about Switching the Television On and Off Automatically, refer to page 36.

Setting the Default Guide

You can preset the default guide style.



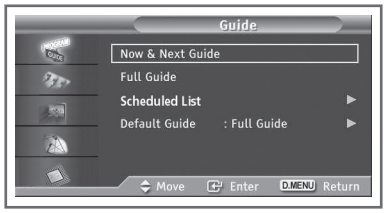
1 Press the **D.MENU** button to display the DTV menu, then press the **ENTER** (↵) button.

2 Press the ▲ or ▼ button to select **Default Guide**, then press the **ENTER** (↵) button.

3 Select **Now/Next** or **Full Guide** by pressing the ▲ or ▼ button, then press the **ENTER** (↵) button.

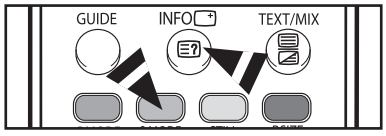
4 Press the **EXIT** (→▯) button to exit.

Viewing All Channels and Favourite Channels



Full Guide
18:07 Fri 5 Aug
The Weakest Link
INFO Information
Today 18:00 19:00
1 BBC ONE BBC News BBC Londo.. Departure Lounge
2 BBC TWO The Weakest Link Dea.. Tsunami P.. The Curiou..
7 BBC THREE This Is BBC THREE The 7 O'Cl.. Spendaho..
40 BBC NEWS.. BBC News Sportsday BBC News
30 CBBC Chan.. Blue Peter The Que.. This is CBBC!
Watch Now/Next Show All -2Hours +2Hours Exit

Now & Next Guide
18:05 Fri 5 Aug
Dear Television
INFO Information
The favourites list is empty.
Would you like to choose your favourites now?
Yes
No
30 CBBC Chan.. Blue Peter The Queen's Nose
40 BBC NEWS.. BBC News Sportsday
51 BBCi BBCi BBCi
On Full Guide Favourites Exit



In the EPG menu, you can display all channels or favourite channels.

1 Press the **D.MENU** button to display the DTV menu, then press the **ENTER** (↵) button.

2 Press the ▲ or ▼ button to select **Now & Next Guide** or **Full Guide**, then press the **ENTER** (↵) button.

3 Press the green button repeatedly to toggle between the all and favourite channels list.

4 **When the favourite channel list has not been set up:**
The favourites list is empty. Would you like to choose your favourites now? message is displayed.
Press the ◄ or ► button to select **Yes**, then press the **ENTER** (↵) button.
The **Edit Favourite Channels** menu is displayed. If you select **No**, all channels will remain unchanged.
To Editing Your Favourite Channels, refer to page 14~15 for more details.

5 Select a programme of your choice by pressing the ▲, ▼, ◄, or ► button.

6 Press the **INFO** (▭) button to display information about the highlighted programme.
➢ If you want to schedule selected programme or exit from the information, select Remind or Return by pressing the ◄ or ► button, then press the **ENTER** (↵) button.

7 Press the **EXIT** (⇥) button to exit.

➢
- **All Channels** is the list of channels that have been scanned by the channel manager update. All channels are displayed in the all channel mode.
- **Favourites** (favourite channels) is the list of channels that has been set in the **Edit Favourite Channels** menu (refer to page 14~15).
- When there is no channel information, the "**No data**" message will be displayed and you will not be able to change the channel even if you press the **ENTER** (↵) button. When the "**No data**" message appears and you cannot change the channel, press the channel number directly using the numeric buttons.

Viewing Channel Manager

You can display a list of all channels or your favourite channels.

1 Press the **D.MENU** button to display the DTV menu.

2 Press the ▲ or ▼ button to select **Channel**, then press the **ENTER** (↵) button.

3 Press the ▲ or ▼ button to select **Channel Manager**, then press the **ENTER** (↵) button.

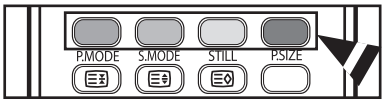
4 Press the yellow button to toggle between your favourite channels or all channels.
Your favourite channels are only displayed if they were previously set in the **Edit Favourite Channels** menu (refer to page 14~15).

5 Press the red or green button to display the previous or next channel list page.

6 Press the ▲ or ▼ button to select a channel to be tuned, then press the **ENTER** (↵) button.
The channel number, name and an icon are displayed in the top left corner while changing the channel. The channel number and name are displayed if the channel is one of the all channels, and a "★" icon if the channel is one of the favourite channels.

7 Press the blue button to exit from the channel list.

➢ Press the **CH MGR** button on the remote control to bring up the Channel Lists.



Displaying Programme Information

While viewing a channel, additional information about the current programme may be displayed.

1 While viewing a programme, then press the **INFO** (⊡) button.
➢ The information displayed on the bottom left side shows:
- Parental Rating
- Video Type: SD, HD, Radio
- Audio Type: MPEG, Dolby-AC3
- Existence of Teletext or DVB Subtitle
- Audio Language

2 To exit from banner information, then press the **INFO** (⊡) button.

18:03 Fri 5 Aug
2 BBC TWO
All Channels
The Weakest Link
18:00~18:45
No Block
Stereo
Subtitle
English
Nine contestants must play as a team to build up the prize fund and then act ruthlessly to remain in the game as, round by round, the weakest link is..
INFO Exit

Using the Preferences

You can use various settings to suit your personal preferences.

- Activating/deactivating the Subtitle
- Changing the default value for subtitle and audio languages
- Activating/deactivating the Digital Text

1 Press the **D.MENU** button to display the DTV menu.

2 Press the ▲ or ▼ button to select **Feature**, then press the **ENTER** (↵) button.

- **Subtitle**
- **Subtitle Language**
- **Audio Language**
- **Digital Text**

3 Select your required menu by pressing the ▲ or ▼ button, then press the **ENTER** (↵) button.

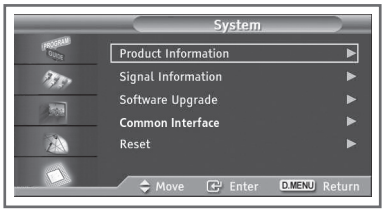
4 Select the required option by pressing the ▲ or ▼ button, then press the **ENTER** (↵) button to change the setting.

- **Subtitle : On** or **Off**
- **Subtitle Language**
- **Audio Language**
- **Digital Text : Disable** or **Enable**

➢ If the programme is broadcast with digital text, this feature is enabled.

5 Press the **EXIT** (⇥▯) button to exit.

Viewing Product Information



You can view your product information. For service or repair please contact a Samsung authorized dealer.

1 Press the **D.MENU** button to display the DTV menu.

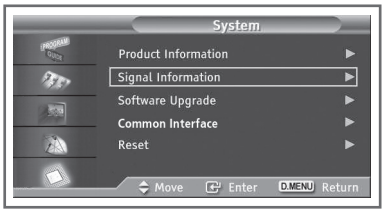
2 Press the ▲ or ▼ button to select **System**, then press the **ENTER** (↵) button.

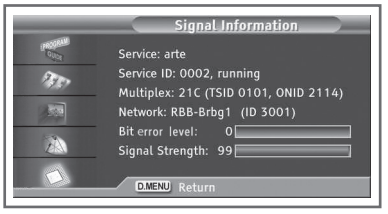
3 Press the **ENTER** (↵) button again.
The Product Information is displayed.
- Software Version
- Firmware Version

4 Press the **EXIT** (⇥▯) button to exit.

Checking the Signal Information

You can get information about the signal status.





1 Press the **D.MENU** button to display the DTV menu.

2 Press the ▲ or ▼ button to select **System**, then press the **ENTER** (↵) button.

3 Press the ▲ or ▼ button to select **Signal Information**, then press the **ENTER** (↵) button.
The technical information for signal status is display.
- Service
- Service ID
- Multiplex
- Network
- Bit Error Level
- Signal Strength

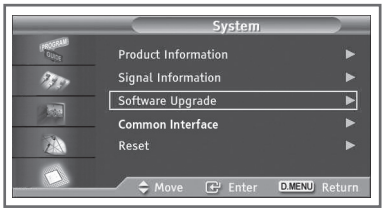
4 Press the **EXIT** (→▯) button to exit.

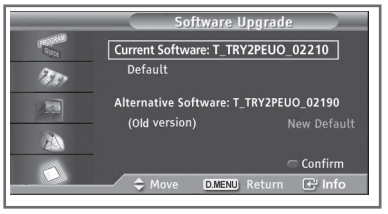
Upgrading the Software (depending on the model)

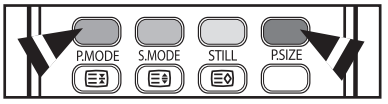
To keep your product up-to-date with new Digital Television features, software upgrades are periodically broadcast as part of the normal Television signal. It will automatically detect these signals and display the software upgrade banner. You are given the option to install the upgrade.

Software Upgrade
An upgrade is available for your TV and is ready for installation.
Upgrade Now
Upgrade Later
Don't Upgrade

- **Upgrade Now**
  If you select **Upgrade Now**, the **iDTV** immediately installs the new upgrade and then restarts.
- **Upgrade Later**
  If you select **Upgrade Later**, the upgrade is postponed until the next restart or channel change some 90 minutes later, when the upgrade dialog appears again.
- **Don't Upgrade**
  If you select **Don't Upgrade**, the **iDTV** does not perform the upgrade and the software upgrade banner is not displayed again. The upgrade is still stored internally, to subsequently upgrade to the new version then the following sequence of steps are performed.







1 Press the **D.MENU** button to display the DTV menu.

2 Press the ▲ or ▼ button to select **System**, then press the **ENTER** (↵) button.

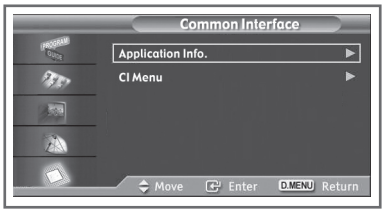
3 Press the ▲ or ▼ button to select **Software Upgrade**, then press the **ENTER** (↵) button.

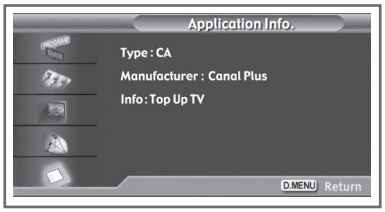
4 If necessary, press the **ENTER** (↵) button again to display the software version information.

5 Press the **D.MENU** button to return to the **Software Upgrade** menu.

6 To switch to an alternative version, press the red button. Press the blue button to reset, activate the upgrade and restart.

Viewing Common Interface

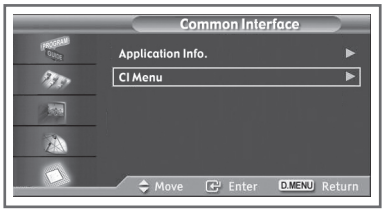




This contains information on CAM inserted in the CI slot and displays it.

1. Press the **D.MENU** button to display the DTV menu.
2. Press the ▲ or ▼ button to select **System**, then press the **ENTER** (↵) button.
3. Press the ▲ or ▼ button to select **Common Interface**, then press the **ENTER** (↵) button.
4. Press the **ENTER** (↵) button to display the information for your application.
5. Press the **EXIT** (→▯) button to exit.

Selecting the CI Menu



This helps the user select an item from the CAM-supported menu.

1. Press the **D.MENU** button to display the DTV menu.
2. Press the ▲ or ▼ button to select **System**, then press the **ENTER** (↵) button.
3. Press the ▲ or ▼ button to select **Common Interface**, then press the **ENTER** (↵) button.
4. Press the ▲ or ▼ button to select **CI Menu**, then press the **ENTER** (↵) button.
5. Select the required option by pressing the ▲ or ▼ button, then press the **ENTER** (↵) button.
6. Press the **EXIT** (→▯) button to exit.

➢ Select the CI Menu based on the menu PC Card.

Resetting

You can reset the values stored to the factory default values.

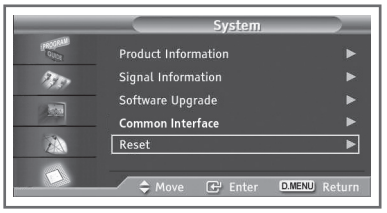
➢ The Reset operation deletes all channel information and user preferences returning all values to their default factory state.

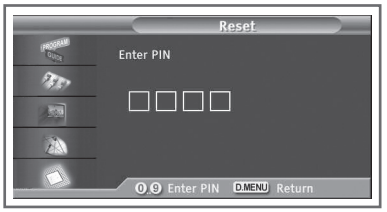
1 Press the **D.MENU** button to display the DTV menu.

2 Press the ▲ or ▼ button to select **System**, then press the **ENTER** (↵) button.

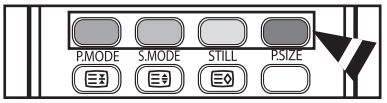
3 Press the ▲ or ▼ button to select **Reset**, then press the **ENTER** (↵) button.

4 Enter your current 4-digit PIN code by using the numeric buttons (0~9). The warning message is displayed. All values will be reset by pressing the coloured buttons (red, green, yellow, and blue) in turn.



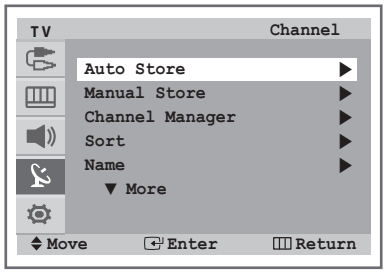


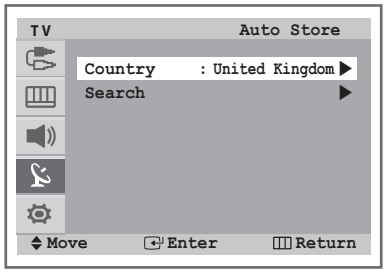
Reset
WARNING: All channel settings and user preferences will be lost and returned to the factory defaults. It is recommended that a reset is performed only when serious problems are experienced.
D.MENU Return

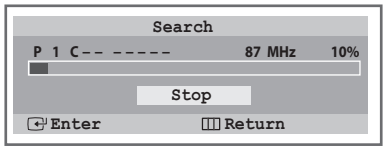


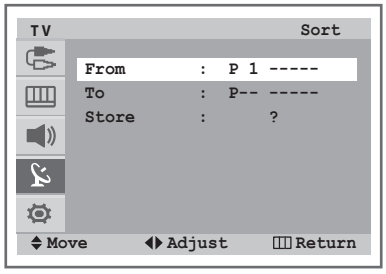
Channel Control

Storing Channels Automatically









➢ Not available in DTV or external input mode.

You can scan for the frequency ranges available to you (availability depends on your country). Automatically allocated programme numbers may not correspond to actual or desired programme numbers. However you can sort numbers manually and clear any channels you do not wish to watch.

1 Press the **MENU** (▥) button to display the menu.

2 Press the ▲ or ▼ button to select **Channel**, then press the **ENTER** (↵) button.

3 Press the **ENTER** (↵) button again.

4 Press the **ENTER** (↵) button again.
The available countries are listed.

5 Select your country by pressing the ▲ or ▼ button, then press the **ENTER** (↵) button.

6 Press the ▲ or ▼ button to select **Search**, then press the **ENTER** (↵) button.

7 Press the **ENTER** (↵) button again to start the search.
The search will end automatically.
➢ To stop the search before it has finished, press the **MENU** (▥) or the **ENTER** (↵) button.

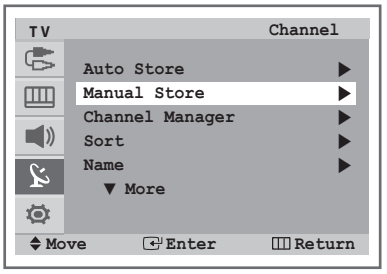
8 When searching and storing are completed, the **Sort** menu is displayed.
- ◆ To sort the stored channels into the desired numerical order, go to step **4** of the "Sorting the Stored Channels" procedure on page 26.
- ◆ To exit from the channel store function without sorting the channels, press the **MENU** (▥) button repeatedly until the menus disappear.

Storing Channels Manually

➢ Not available in DTV or external input mode.

You can store television channels, including those received via cable networks.
When storing channels manually, you can choose:

- Whether or not to store each of the channels found.
- The programme number of each stored channel which you wish to identify.



1 Press the **MENU** (☐) button to display the menu.

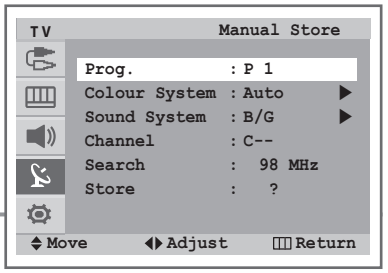
2 Press the ▲ or ▼ button to select **Channel**, then press the **ENTER** (↵) button.

3 Press the ▲ or ▼ button to select **Manual Store**, then press the **ENTER** (↵) button.

4 Select the required option by pressing the ▲ or ▼ button, then press the **ENTER** (↵) button.

5 When you are satisfied with your setting, then press the **ENTER** (↵) button.

6 Press the **EXIT** (⇥) button to exit.



- **Prog.** (Programme number to be assigned to a channel)
  - Press the ◄ or ► button until you find the correct number.

- **Colour System**: **Auto** / **PAL** / **SECAM** / **NTSC 4.43**
  - Press the ▲ or ▼ button to select the required colour standard.

- **Sound System**: **B/G**, **D/K**, **I**
  - Press the ▲ or ▼ button to select the required sound standard.

- **Channel** (When you know the number of the channel to be stored)
  - Press the ▲ or ▼ button to select **C** (Air channel) or **S** (Cable channel).
  - Press the ► button, then press the ▲ or ▼ button to select the required number.
  - ➢ You can also select the channel number directly by pressing the numeric buttons (0~9).
  - ➢ If there is abnormal sound or no sound, re-select the sound standard required.

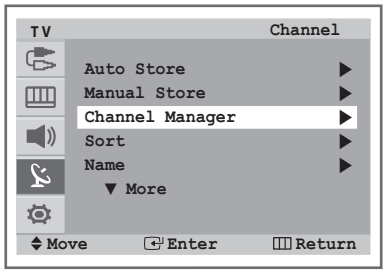
- **Search** (When you do not know the channel numbers)
  - Press the ◄ or ► button to start the search.
  - The tuner scans the frequency range until the first channel or the channel that you selected is received on the screen.

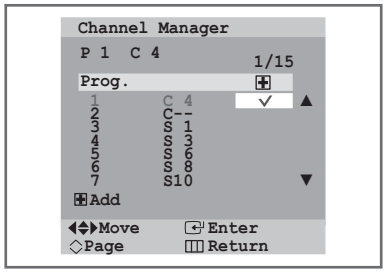
- **Store** (When you store the channel and associated programme number)
  - Set to **OK** by pressing the **ENTER** (↵) button.

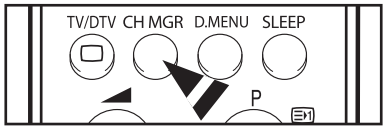
☛ **Channel mode**

- **P** (Programme mode): When completing tuning, the broadcasting stations in your area have been assigned to position numbers from P00 to P99. You can select a channel by entering the position number in this mode.
- **C** (Air channel mode): You can select a channel by entering the assigned number to each air broadcasting station in this mode.
- **S** (Cable channel mode): You can select a channel by entering the assigned number for each cable channel in this mode.

Skipping Unwanted Channels







➢ Not available in DTV or external input mode.
You can exclude the channels you have chosen from the channels you scanned. When you scan through the stored channels, those you have chosen to skip are not displayed.
All of the channels that you do not specifically choose to skip are displayed during scanning.

1 Press the **MENU** (▥) button to display the menu.

2 Press the ▲ or ▼ button to select **Channel**, then press the **ENTER** (↵) button.

3 Press the ▲ or ▼ button to select **Channel Manager**, then press the **ENTER** (↵) button.
➢ It can be displayed simply by pressing the **CH MGR** (Channel Manager) button.

4 Press the ▲ or ▼ button to select the channel to be add or erase.

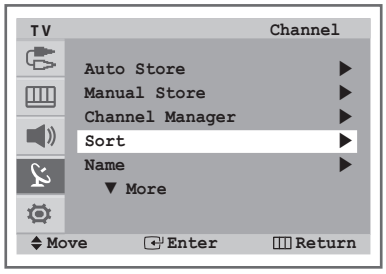
5 Press the **ENTER** (↵) button to move to the (⊞) field.

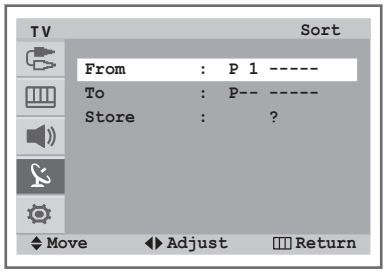
6 Press the **ENTER** (↵) button to add the channel.
The (✓) symbol next to the channel appears and the channel is added.
➢ If you press the **ENTER** (↵) button again, the (✓) symbol next to the channel disappears and the channel is not added.

7 Repeat step **4** to **6** for each channel to be added or erased.

8 Press the **EXIT** (⇥) button to exit.

Sorting the Stored Channels





➢ Not available in DTV or external input mode.
This operation allows you to change the programme numbers of stored channels. This operation may be necessary after using auto store.

1 Press the **MENU** (▥) button to display the menu.

2 Press the ▲ or ▼ button to select **Channel**, then press the **ENTER** (↵) button.

3 Press the ▲ or ▼ button to select **Sort**, then press the **ENTER** (↵) button.

4 Select the channel number that you wish to change by pressing the ◄ or ► button repeatedly.

5 Press the ▲ or ▼ button to select **To**. Select the new channel number which you wish to identify by pressing the ◄ or ► button repeatedly.

6 Press the ▲ or ▼ button to select **Store**. Select **OK** to confirm the exchange of channel numbers by pressing the **ENTER** (↵) button. The selected channel is exchanged with the one previously stored to the chosen number.

7 For all the channels to move to the required channel numbers, repeat steps **4** to **6** after selecting the **From** by pressing the ▲ or ▼ button.

8 Press the **EXIT** (⇥) button to exit.

Assigning Names to Channels

➢ Not available in DTV or external input mode.

Channel names will be assigned automatically when channel information is broadcast. These names can be changed, allowing you to assign new names.

1 Press the **MENU** (▥) button to display the menu.

2 Press the ▲ or ▼ button to select **Channel**, then press the **ENTER** (↵) button.

3 Press the ▲ or ▼ button to select **Name**, then press the **ENTER** (↵) button.

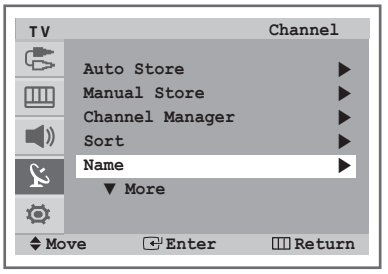
4 Select the channel to be assigned to a new name by pressing the ▲ or ▼ button.

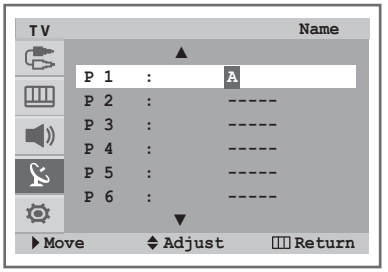
5 Press the **ENTER** (↵) or ► button.

6 Press the ▲ or ▼ button to select a letter (A~Z), a number (0~9) or a symbol (space, -). Move on to the previous or next letter by pressing the ◄ or ► button.

7 Repeat Steps **4** to **6** for each channel to be assigned to a new name.

8 Press the **EXIT** (⇥▯) button to exit.





Fine Tuning Channel Reception

➢ Not available in DTV or external input mode.

If the reception is clear, you do not have to fine tune the channel, as this is done automatically during the search and store operation.
If the signal is weak or distorted, you may have to fine tune the channel manually.

1 Press the **MENU** (▥) button to display the menu.

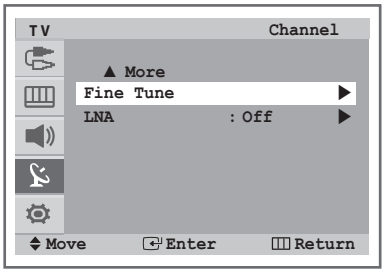
2 Press the ▲ or ▼ button to select **Channel**, then press the **ENTER** (↵) button.

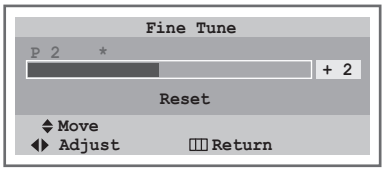
3 Press the ▲ or ▼ button to select **Fine Tune**, then press the **ENTER** (↵) button.

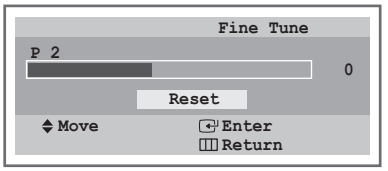
4 To obtain a sharp and clear picture and good sound quality, press the ◄ or ► button to reach the required setting.
The channel number is changed to red and marked with a "*".

5 To reset the fine tuning to **0**, select **Reset** by pressing the ▲ or ▼ button. Press the **ENTER** (↵) button.

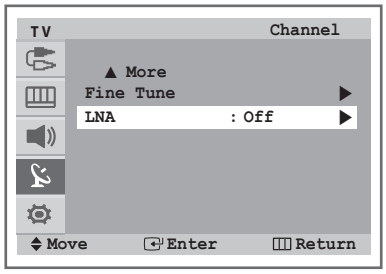
6 Press the **EXIT** (⇥▯) button to exit.

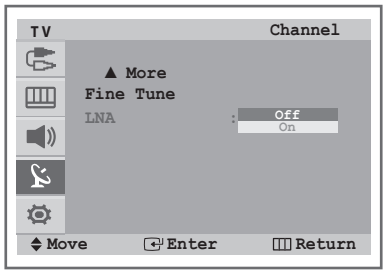






Using the LNA (Low Noise Amplifier) Feature (depending on the model)





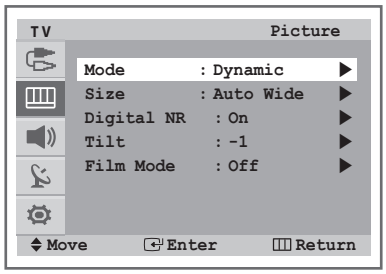
➢ Not available in DTV or external input mode.
This function is very useful in the situation that the TV is used in weak signal.
LNA amplifies the TV signal in the weak signal area, a low-noise preamplifier boosts the incoming signal.

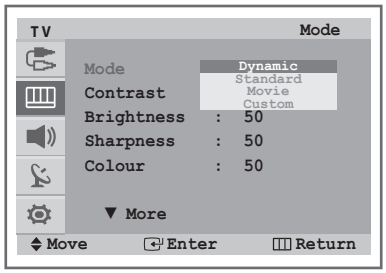
1. Press the **MENU** (▥) button to display the menu.
2. Press the ▲ or ▼ button to select **Channel**, then press the **ENTER** (↵) button.
3. Press the ▲ or ▼ button to select **LNA**, then press the **ENTER** (↵) button.
4. Select **Off** or **On** by pressing the ▲ or ▼ button, then press the **ENTER** (↵) button.
5. Press the **EXIT** (↦▯) button to exit.

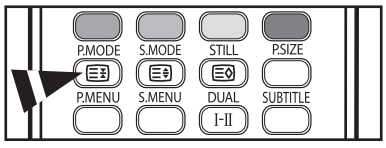
➢
- Setting the **LNA** option to "**On**" may produce worse picture quality due to the current channel's signal condition. Hence, apply LNA On/Off selectively according to the picture quality that is currently displayed.
- Depending on areas, factory mode of LNA, will be set up as **On** or **Off**.

Picture Control

Changing the Picture Standard







You can select the type of picture which best corresponds to your viewing requirements.

1. Press the **MENU** (▥) button to display the menu.
2. Press the ▲ or ▼ button to select **Picture**, then press the **ENTER** (↵) button.
3. Press the **ENTER** (↵) button twice to select **Mode**.
4. Press the ▲ or ▼ button to select the required option, then press the **ENTER** (↵) button.
   Available options: **Dynamic - Standard - Movie - Custom**
5. Press the **EXIT** (↦▯) button to exit.

➢ You can also set these options simply by pressing the **P.MODE** button.

Adjusting the Picture Settings

Your television has several settings which allow you to control picture quality.

1 Press the **MENU** (▥) button to display the menu.

2 Press the ▲ or ▼ button to select **Picture**, then press the **ENTER** (↵) button.

3 Press the **ENTER** (↵) button twice to select **Mode**.

4 Press the ▲ or ▼ button to select the required option, then press the **ENTER** (↵) button.
Available options: **Dynamic - Standard - Movie - Custom**.

5 Press the ▲ or ▼ button to select the option to be adjusted, then press the **ENTER** (↵) button.
Available options: **Contrast** - **Brightness** - **Sharpness** - **Colour** - **Tint**(NTSC only)

6 Press the ◄ or ► button to reach the required setting.

7 Press the **MENU** (▥) button.

8 Press the ▲ or ▼ button to select **Colour Tone**, then press the **ENTER** (↵) button.

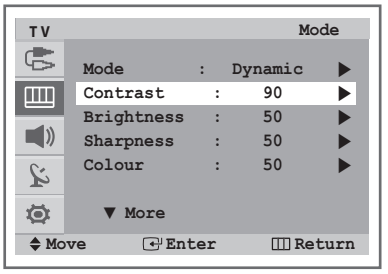
9 Press the ▲ or ▼ button to select the required option, then press the **ENTER** (↵) button.
Available options: **Cool2 - Cool1 - Normal - Warm1 - Warm2**

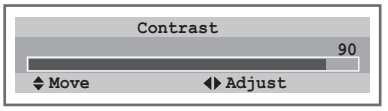
Resetting the Picture Settings to the Factory Defaults

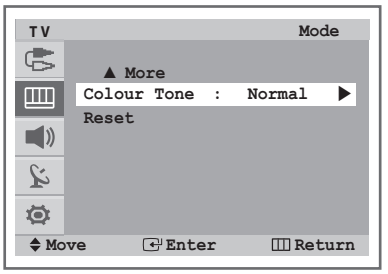
10 Press the ▲ or ▼ button to select **Reset**, then press the **ENTER** (↵) button.
The previously adjusted settings will be reset to the factory defaults.

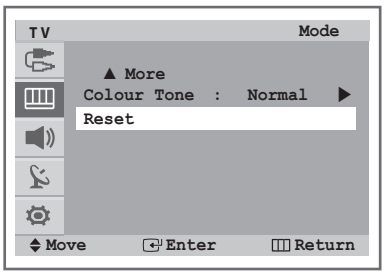
11 Press the **EXIT** (→▯) button to exit.

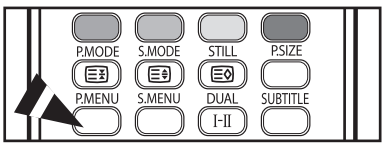
➢
- You can also display this group simply by pressing the **P.MENU** button.
- The television has an "automatic degaussing" system that is activated if magnetic interference is present. To degauss the television screen, switch power off by pressing the "⏻" button (On/Off) on the front panel. (Refer to "Automatic Degaussing to Remove Colour Patches" on page 40.)
- Each picture mode can be reset.



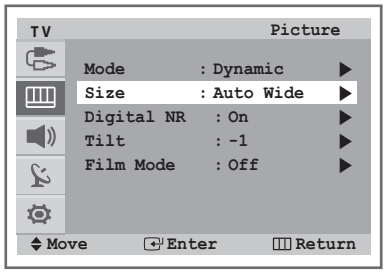


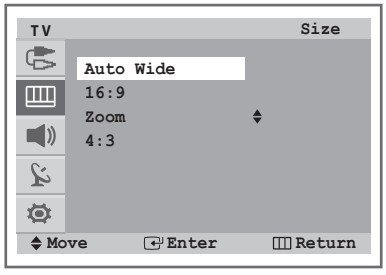


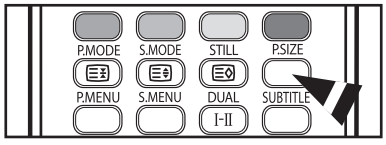




Selecting the Picture Size







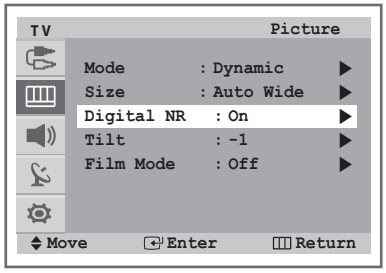
You can select the picture size which best corresponds to your viewing requirements.

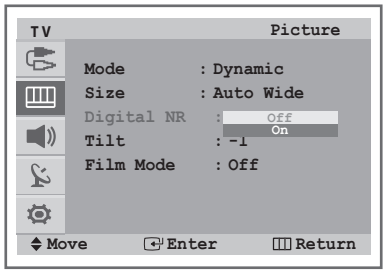
1. Press the **MENU** (▥) button to display the menu.
2. Press the ▲ or ▼ button to select **Picture**, then press the **ENTER** (↵) button.
3. Press the ▲ or ▼ button to select **Size**, then press the **ENTER** (↵) button.
4. Press the ▲ or ▼ button to select the required option, then press the **ENTER** (↵) button.
   Available options:
   - **Auto Wide**, **16:9**, **Zoom**, **4:3**
     Lifting is available in the **Zoom** mode by pressing the ▲ or ▼ button.
5. Press the **EXIT** (↦▯) button to exit.

- **Auto Wide**: Expanding and pulling up the picture from 4:3 to 16:9 ratio.
- **16:9**: Sets the picture to 16:9 wide mode.
- **Zoom**: Magnifies the size of the picture on the screen.
- **4:3**: Sets the picture to 4:3 normal mode.

➢ You can also set these options simply by pressing the **P.SIZE** button.

Setting the Digital Noise Reduction





If the signal received by your television is weak, you can activate this feature to reduce any static and ghosting that may appear on the screen.

1. Press the **MENU** (▥) button to display the menu.
2. Press the ▲ or ▼ button to select **Picture**, then press the **ENTER** (↵) button.
3. Press the ▲ or ▼ button to select **Digital NR**, then press the **ENTER** (↵) button.
4. Select **Off** or **On** by pressing the ▲ or ▼ button, then press the **ENTER** (↵) button.
5. Press the **EXIT** (↦▯) button to exit.

Using the Tilt Control Feature (depending on the model)

If you find that the picture received is slightly tilted to one side, you can adjust the tilt setting.

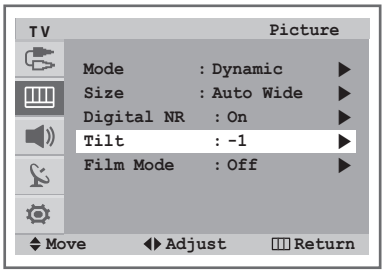
1 Press the **MENU** (▥) button to display the menu.

2 Press the ▲ or ▼ button to select **Picture**, then press the **ENTER** (↵) button.

3 Press the ▲ or ▼ button to select **Tilt**.

4 Press the ◄ or ► button to reach the required setting (**-7** to **+7**).

5 Press the **EXIT** (→▯) button to exit.



Selecting the Film Mode

You can automatically sense and process film signals from some sources and adjust the picture for optimum quality.

1 Press the **MENU** (▥) button to display the menu.

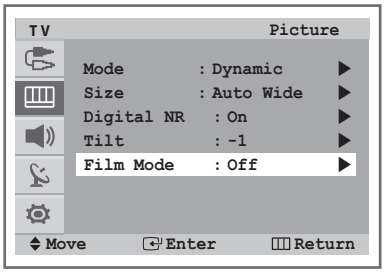
2 Press the ▲ or ▼ button to select **Picture**, then press the **ENTER** (↵) button.

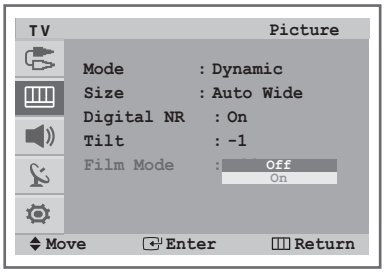
3 Press the ▲ or ▼ button to select **Film Mode**, then press the **ENTER** (↵) button.

4 Select **Off** or **On** by pressing the ▲ or ▼ button, then press the **ENTER** (↵) button.

5 Press the **EXIT** (→▯) button to exit.

➢
- Not available in the Component or HDMI mode.
- Mode discrepancies, such as turning off **Film Mode** while viewing a film source or turning on **Film Mode** while viewing Non-film sources, may affect the picture quality.

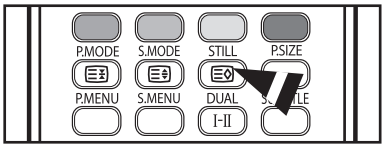




Freezing the Current Picture

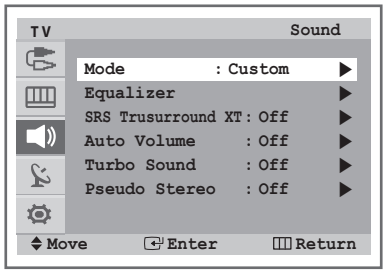
You can freeze the picture when watching a television programme simply by pressing the **STILL** button.

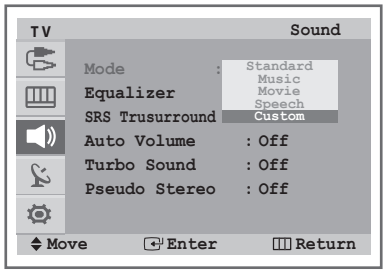
➢ To return to normal viewing, press this button again.

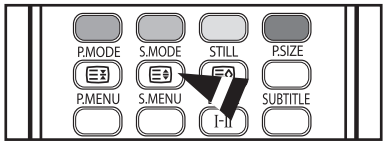


Sound Control

Changing the Sound Standard





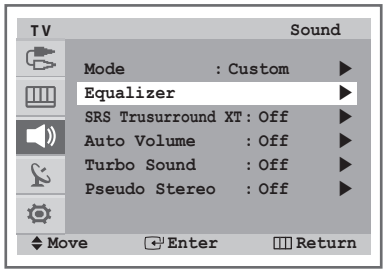


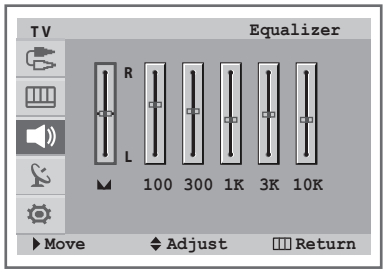
You can select the type of special sound effect to be used when watching a given broadcast.

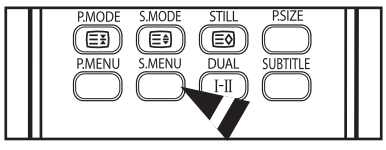
1. Press the **MENU** (▥) button to display the menu.
2. Press the ▲ or ▼ button to select **Sound**, then press the **ENTER** (↵) button.
3. Press the **ENTER** (↵) button again to select **Mode**.
4. Press the ▲ or ▼ button to select the required option, then press the **ENTER** (↵) button.
   Available options: **Standard - Music - Movie - Speech - Custom**
5. Press the **EXIT** (→▯) button to exit.

➢ You can also set these options simply by pressing the **S.MODE** button.

Adjusting the Sound Settings (depending on the model)







The sound settings can be adjusted to suit your personal preferences.

1. Press the **MENU** (▥) button to display the menu.
2. Press the ▲ or ▼ button to select **Sound**, then press the **ENTER** (↵) button.
3. Press the ▲ or ▼ button to select **Equalizer**, then press the **ENTER** (↵) button.
4. Press the ◄ or ► button to select the option to be adjusted, then press the ▲ or ▼ button to reach the required setting.
5. Press the **EXIT** (→▯) button to exit.

➢
- You can also display this group simply by pressing the **S.MENU** button.
- If you make any changes to these settings, the sound standard is automatically switched to **Custom**.

Extra Sound Settings (depending on the model)

◆ **SRS TruSurround XT**

TruSurround XT is a patented SRS technology that solves the problem of playing 5.1 multichannel content over two speakers. TruSurround delivers a compelling, virtual surround sound experience through any two-speaker playback system, including internal television speakers. It is fully compatible with all multichannel formats.

◆ **Auto Volume**

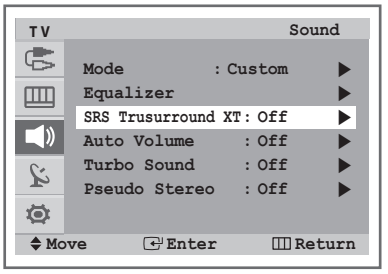
Each broadcasting station has its own signal conditions, and so it is not easy for you to adjust the volume every time the channel is changed. This feature lets you automatically adjust the volume of the desired channel by lowering the sound output when the modulation signal is high or by raising the sound output when the modulation signal is low.

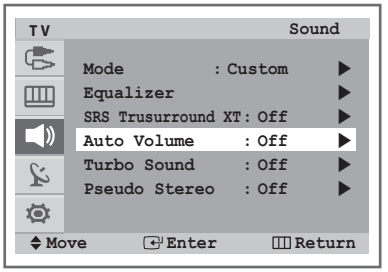
◆ **Turbo Sound**

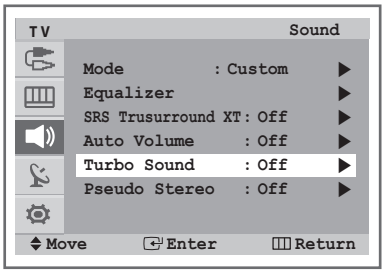
This feature suitably emphasizes both higher and lower bands of sound (and includes other effects). You can enjoy more magnificent and dynamic sound when watching music, movie or other channels.

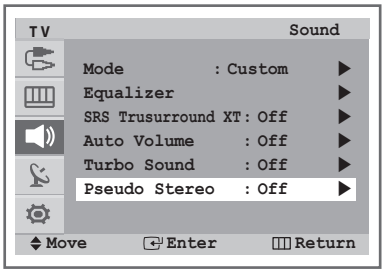
◆ **Pseudo Stereo**

Pseudo Stereo feature converts a monaural sound signal into two identical left and right channels. Once the **Pseudo Stereo** is set to **On** or **Off**, these settings apply to the sound effects such as **Standard**, **Music**, **Movie**, and **Speech**.









1 Press the **MENU** (▥) button to display the menu.

2 Press the ▲ or ▼ button to select **Sound**, then press the **ENTER** (↵) button.

3 Press the ▲ or ▼ button to select the required option (**SRS TruSurround XT**, **Auto Volume**, **Turbo Sound**, or **Pseudo Stereo**), then press the **ENTER** (↵) button.

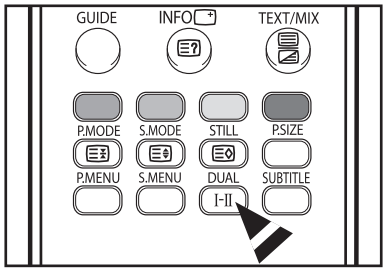
4 Select **Off** or **On** by pressing the ▲ or ▼ button, then press the **ENTER** (↵) button.

5 Press the **EXIT** (⇥) button to exit.

➢
- SRS TruSurround XT and Turbo Sound can not be both set to "On".
- TruSurround XT, SRS and (●) Symbol are trademarks of SRS Labs, Inc TruSurround XT technology is incorporated under license from SRS Labs, Inc.

SRS(●) TruSurround XT

Selecting the Sound Mode (depending on the model)



The **DUAL I-II** button displays/controls the processing and output of the audio signal. When power is switched on, the mode is automatically preset to either "Dual-I " or "Stereo", depending on the current transmission.

	Type of broadcast	On-screen indication
NICAM Stereo	Regular broadcast (Standard audio)	**Mono** (Normal use)
	Regular + NICAM Mono	**Mono NICAM** ↔ **Mono** (Normal)
	NICAM Stereo	**Stereo NICAM** ↔ **Mono** (Normal)
	NICAM Dual-I/II	**Dual-I NICAM** → **Dual-II NICAM** → **Mono** (Normal)
A2 Stereo	Regular broadcast (Standard audio)	**Mono** (Normal)
	Bilingual or Dual-I/II	**Dual-I** ↔ **Dual-II**
	Stereo	**Stereo** ↔ **Mono** (Forced mono)

➢
- If the receiving conditions deteriorate, listening will be easier if the mode is set to the **Mono**.
- If the stereo signal is weak and an automatic switching occurs, then switch to the **Mono**.
- When receiving a mono sound in the AV mode, connect to the "AUDIO-L" input connector on the panel (front or side). If the mono sound comes out only from left speaker, press the **DUAL I-II** button.

Function Description

Setting the Time

Setting and Displaying the Current Time

You can set the television's clock so that the current time is displayed by pressing the **INFO** ( ) button. You must also set the time if you wish to use the automatic on or off timers.

➢ When pressing the "⏻" button (On/Off) on the television, the clock setting will be reset.

1 Press the **MENU** ( ) button to display the menu.

2 Press the ▲ or ▼ button to select **Setup**, then press the **ENTER** ( ) button.

3 Press the ▲ or ▼ button to select **Time**, then press the **ENTER** ( ) button.

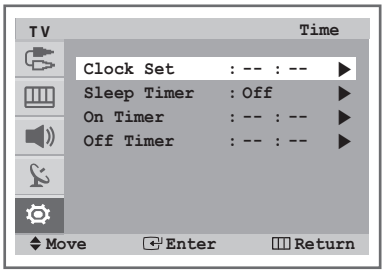
4 Press the **ENTER** ( ) button again.

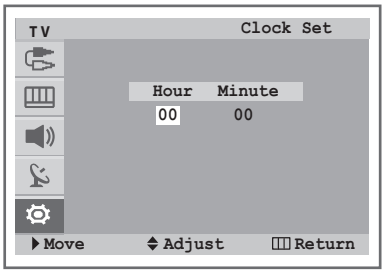
5 Press the ◄ or ► button to move to **Hour** or **Minute**. Set the hour or minute by pressing the ▲ or ▼ button.

6 Press the **ENTER** ( ) button.

7 Press the **EXIT** ( ) button to exit.

➢ You can set the hour and minute directly by pressing the numeric buttons on the remote control.





Setting the Sleep Timer

You can set your TV to automatically turn off after a preset interval.

1 Press the **MENU** ( ) button to display the menu.

2 Press the ▲ or ▼ button to select **Setup**, then press the **ENTER** ( ) button.

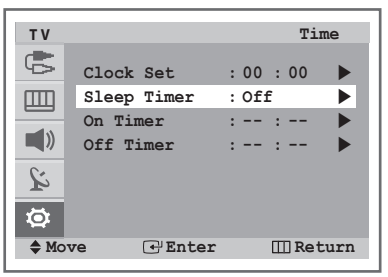
3 Press the ▲ or ▼ button to select **Time**, then press the **ENTER** ( ) button.

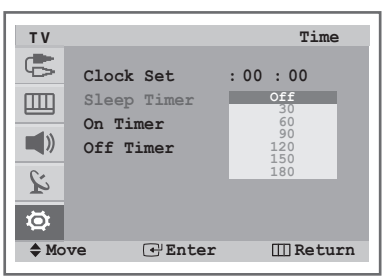
4 Press the ▲ or ▼ button to select **Sleep Timer**, then press the **ENTER** ( ) button.

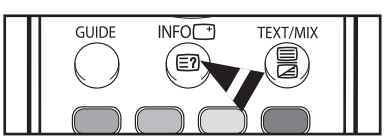
5 Press the ▲ or ▼ button to select the preset time interval (**Off**, **30**, **60**, **90**, **120**, **150**, **180**) for staying on, then press the **ENTER** ( ) button.

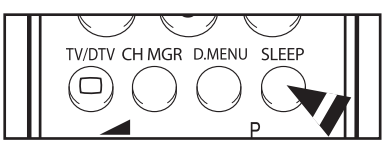
6 Press the **EXIT** ( ) button to exit.

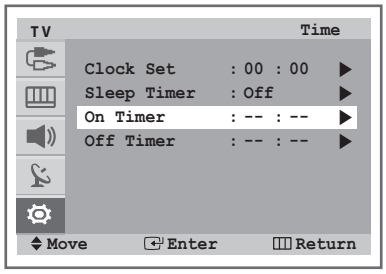
➢ You can select a time period of between 30 and 180 minutes after the television automatically switches to standby mode by pressing the **SLEEP** button.

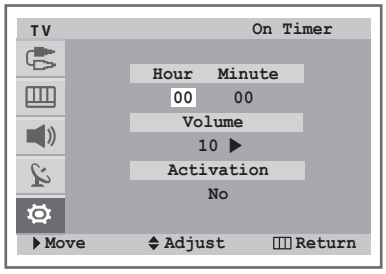


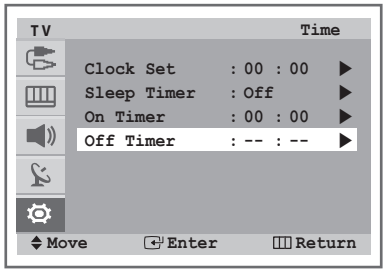


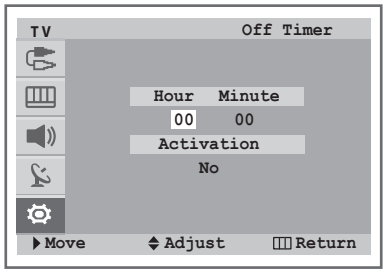












Switching the Television On and Off Automatically

You can set the On/Off timers so that the television will:

- Switch on automatically and tune to the channel of your choice at the time you select
- Switch off automatically at the time you select

➢ The first step is to set the television's clock (refer to "Setting and Displaying the Current Time" on the page 35). If you have not yet set the clock, the message **Set the clock first** is displayed.

1 Press the **MENU** (▥) button to display the menu.

2 Press the ▲ or ▼ button to select **Setup**, then press the **ENTER** (↵) button.

3 Press the ▲ or ▼ button to select **Time**, then press the **ENTER** (↵) button.

4 Press the ▲ or ▼ button to select **On Timer**, then press the **ENTER** (↵) button.

5 Press the ◄ or ► button to move to **Hour**, **Minute**, or **Volume**. Set these by pressing the ▲ or ▼ button.

6 Press the ◄ or ► button to move to **Activation**, then press the ▲ or ▼ button to select **Yes**.

7 Press the **MENU** (▥) or **ENTER** (↵) button.

8 Press the ▲ or ▼ button to select **Off Timer**. In the same above, set the time at which you wish the television to be switched off automatically.

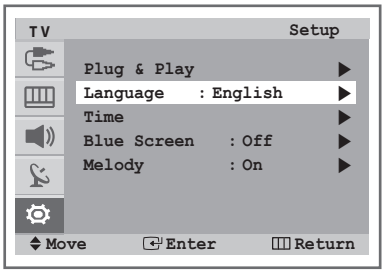
9 Press the **EXIT** (⇥▯) button to exit.

➢ You can set the hour and minute directly by pressing the numeric buttons on the remote control.

➢ **Absent Power Off**
When you set the timer "On", your television will eventually be turned off, if you do not operate any controls during the 3 hours after the TV is turned on by timer. This function is available in only the timer "On" mode and will prevent a leakage accident or overheating, caused by your TV left on for a long time due to the timer "On" (when you are away on holiday, for example).

Choosing Your Language

When you start using your television for the first time, you must select the language which will be used for displaying menus and indications.



1 Press the **MENU** (▥) button to display the menu.

2 Press the ▲ or ▼ button to select **Setup**, then press the **ENTER** (↵) button.

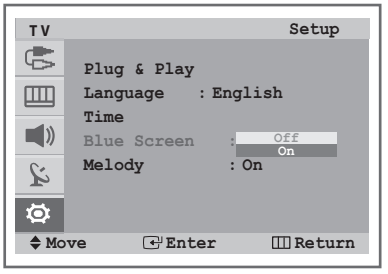
3 Press the ▲ or ▼ button to select **Language**, then press the **ENTER** (↵) button.

4 Press the ▲ or ▼ button to select the appropriate language, then press the **ENTER** (↵) button.

5 Press the **EXIT** (→▯) button to exit.

Setting the Blue Screen

If no signal is being received or the signal is very weak, a blue screen automatically replaces the noisy picture background. If you wish to continue viewing the poor picture, you must set the "Blue Screen" mode to "Off".



1 Press the **MENU** (▥) button to display the menu.

2 Press the ▲ or ▼ button to select **Setup**, then press the **ENTER** (↵) button.

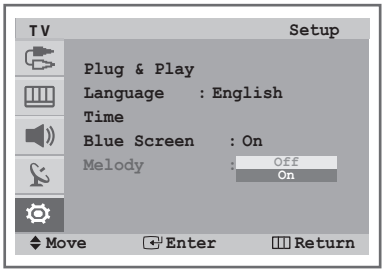
3 Press the ▲ or ▼ button to select **Blue Screen**, then press the **ENTER** (↵) button.

4 Select **Off** or **On** by pressing the ▲ or ▼ button, then press the **ENTER** (↵) button.

5 Press the **EXIT** (→▯) button to exit.

Selecting the Melody

You can hear melody sound when the television is powered on or off.



1 Press the **MENU** (▥) button to display the menu.

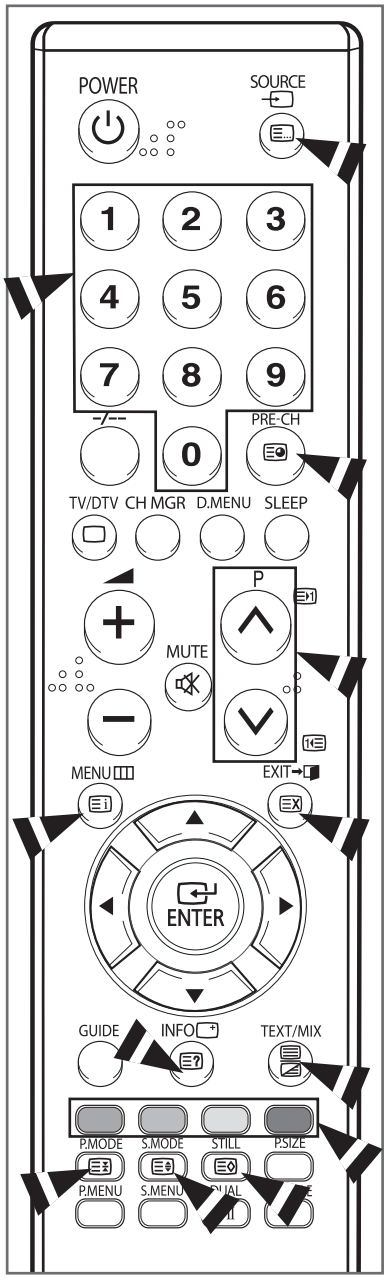
2 Press the ▲ or ▼ button to select **Setup**, then press the **ENTER** (↵) button.

3 Press the ▲ or ▼ button to select **Melody**, then press the **ENTER** (↵) button.

4 Select **Off** or **On** by pressing the ▲ or ▼ button, then press the **ENTER** (↵) button.

5 Press the **EXIT** (→▯) button to exit.

Teletext Feature (depending on the model)



Most television stations provide written information services via teletext.
The index page of the teletext service gives you information on how to use the service. In addition, you can select various options to suit your requirements by using the remote control buttons.

☛ For teletext information to be displayed correctly, channel reception must be stable. Otherwise, information may be missing or some pages may not be displayed.

◆ **(teletext on/mix)**
Press to activate teletext mode after selecting the channel providing the teletext service. The contents page is displayed. Press it again. The screen will be split into two. This Double Teletext feature lets you view the actual broadcast and teletext information separately on the screen. If you wish to display the actual broadcast and teletext information on a single screen, press the **TEXT/MIX** button again.

◆ **(sub-page)**
Used to display the available sub-page.

◆ **(size)**
Press to display the double-size letters in the upper half of the screen. For lower half of the screen, press it again. To display normal screen, press it once again.

◆ **(store)**
Used to store the teletext pages.

◆ **(hold)**
Used to hold the display on a given page if the selected page is linked with several secondary pages which follow on automatically. To resume, press it again.

◆ **(page up)**
Used to display the next teletext page.

◆ **(mode)**
Press to select the teletext mode (LIST/FLOF). If you press it in the LIST mode, it switches into the List save mode. In the List save mode, you can save teletext page into list using the (store) button.

◆ **(page down)**
Used to display the previous teletext page.

◆ **(index)**
Used to display the index (contents) page at any time while you are viewing teletext.

◆ **(reveal)**
Used to display the hidden text (answers to quiz games, for example). To display normal screen, press it again.

◆ **Coloured buttons (red/green/yellow/blue)**
If the FASTEXT system is used by a broadcasting company, the different topics covered on a teletext page are colour-coded and can be selected by pressing the coloured buttons. Press one of them corresponding to the required. The page is displayed with other coloured information that can be selected in the same way. To display the previous or next page, press the corresponding coloured button.

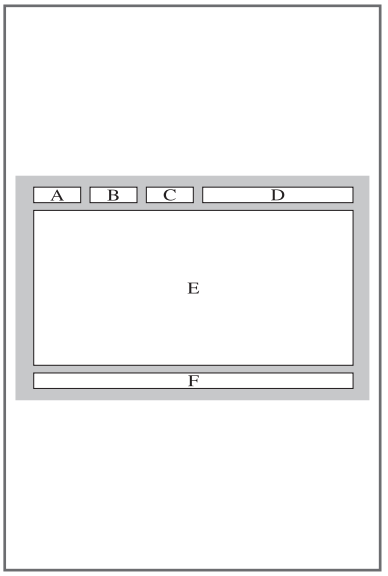
◆ **(cancel)**
Used to display the broadcast when searching for a page.

➢ You can change teletext pages by pressing the numeric buttons on the remote control.

continued...

The teletext pages are organized according to six categories:

Part	Contents
A	Selected page number.
B	Broadcasting channel identity.
C	Current page number or search indications.
D	Date and time.
E	Text.
F	Status information. FASTEXT information.



➢ Teletext information is often divided between several pages displayed in sequence, which can be accessed by:
- ◆ Entering the page number
- ◆ Selecting a title in a list
- ◆ Selecting a coloured heading (FASTEXT system)

➢ Press the **TV/DTV** (▭) button to exit from the teletext display.

Appendix

Automatic Degaussing to Remove Colour Patches

A degaussing coil is mounted around the picture tube, so you do not normally need to degauss the television manually.

If you move the television to a different position and colour patches appear on the screen, you must:

- **Switch the television off by pressing the "ⓘ" button (On/Off) on the television**
- **Unplug the television from the wall socket**
- **Leave the television power-off for about 30 minutes so that the automatic degauss function can be activated, and then press the "POWER " button on the remote control.**

☛ **If your television will be left unattended, press the "ⓘ" button (On/Off) to turn your television off.**

Troubleshooting: Before Contacting Service Personnel

Before contacting Samsung after-sales service, perform the following simple checks.
If you cannot solve the problem using the instructions below, note the model and serial number of the television and contact the help desk at **0870-242-0303** or **dttvsupport@seri.co.uk**.

No sound or picture	◆ Check that the mains lead has been connected to a wall socket. ◆ Check that you have pressed the "ⓘ" button (On/Off) and the **POWER** button. ◆ Check the picture contrast and brightness settings. ◆ Check the volume.
Normal picture but no sound	◆ Check the volume. ◆ Check whether the volume **MUTE** (🔇) button on the remote control has been pressed.
No picture or black and white picture	◆ Adjust the colour settings. ◆ Check that the broadcast system selected is correct.
Sound and picture interference	◆ Try to identify the electrical appliance that is affecting the television, then move it further away. ◆ Plug your television into a different mains socket.
Blurred or snowy picture, distorted sound	◆ Check the direction, location and connections of your aerial. This interference often occurs due to the use of an indoor aerial.
Remote control malfunctions	◆ Replace the remote control batteries. ◆ Clean the upper edge of the remote control (transmission window). ◆ Check the battery terminals.

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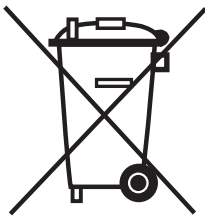

Correct Disposal of This Product

(**W**aste **E**lectrical & **E**lectronic **E**quipment)

(Applicable in the European Union and other European countries with separate collection systems)

This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

Contact SAMSUNG WORLD-WIDE
If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care centre.

Country	Customer Care Centre ☎	Web Site
BELGIUM	02 201 2418	www.samsung.com/be
CZECH REPUBLIC	844 000 844	www.samsung.com/cz
DENMARK	38 322 887	www.samsung.com/dk
FINLAND	09 693 79 554	www.samsung.com/fi
FRANCE	08 25 08 65 65 (€ 0,15/Min)	www.samsung.com/fr
GERMANY	01805 - 121213 (€ 0,12/Min)	www.samsung.de
HUNGARY	06 40 985 985	www.samsung.com/hu
ITALIA	199 153 153	www.samsung.com/it
LUXEMBURG	02 261 03 710	www.samsung.lu
NETHERLANDS	0900 20 200 88 (€ 0,10/Min)	www.samsung.com/nl
NORWAY	231 627 22	www.samsung.com/no
POLAND	0 801 801 881	www.samsung.com/pl
PORTUGAL	80 8 200 128	www.samsung.com/pt
RUSSIA	8-800-200-0400	www.samsung.ru
SLOVAKIA	0850 123 989	www.samsung.com/sk
SPAIN	902 10 11 30	www.samsung.com/es
SWEDEN	08 585 367 87	www.samsung.com/se
U.K	0870 242 0303	www.samsung.com/uk
UKRAINE	8-800-502-0000	www.samsung.com/ur